

Me81 2P55

6041

A CATALOGUE

OF

OFFICIAL REPORTS

UPON

GEOLOGICAL SURVEYS OF THE UNITED
STATES AND TERRITORIES, AND OF
BRITISH NORTH AMERICA.

BY

FREDERICK PRIME, JR.,

ASSISTANT GEOLOGIST OF PENNSYLVANIA.

FROM VOL. VII, TRANSACTIONS OF THE AMERICAN INSTITUTE
OF MINING ENGINEERS.

PHILADELPHIA:

PRINTED BY SHERMAN & CO.

1879.



61
5

A CATALOGUE OF OFFICIAL REPORTS UPON
ICAL SURVEYS OF THE UNITED STATES AND
TERRITORIES, AND OF BRITISH
NORTH AMERICA.

BY FREDERICK PRIME, JR., ASSISTANT GEOLOGIST OF PENNSYLVANIA.

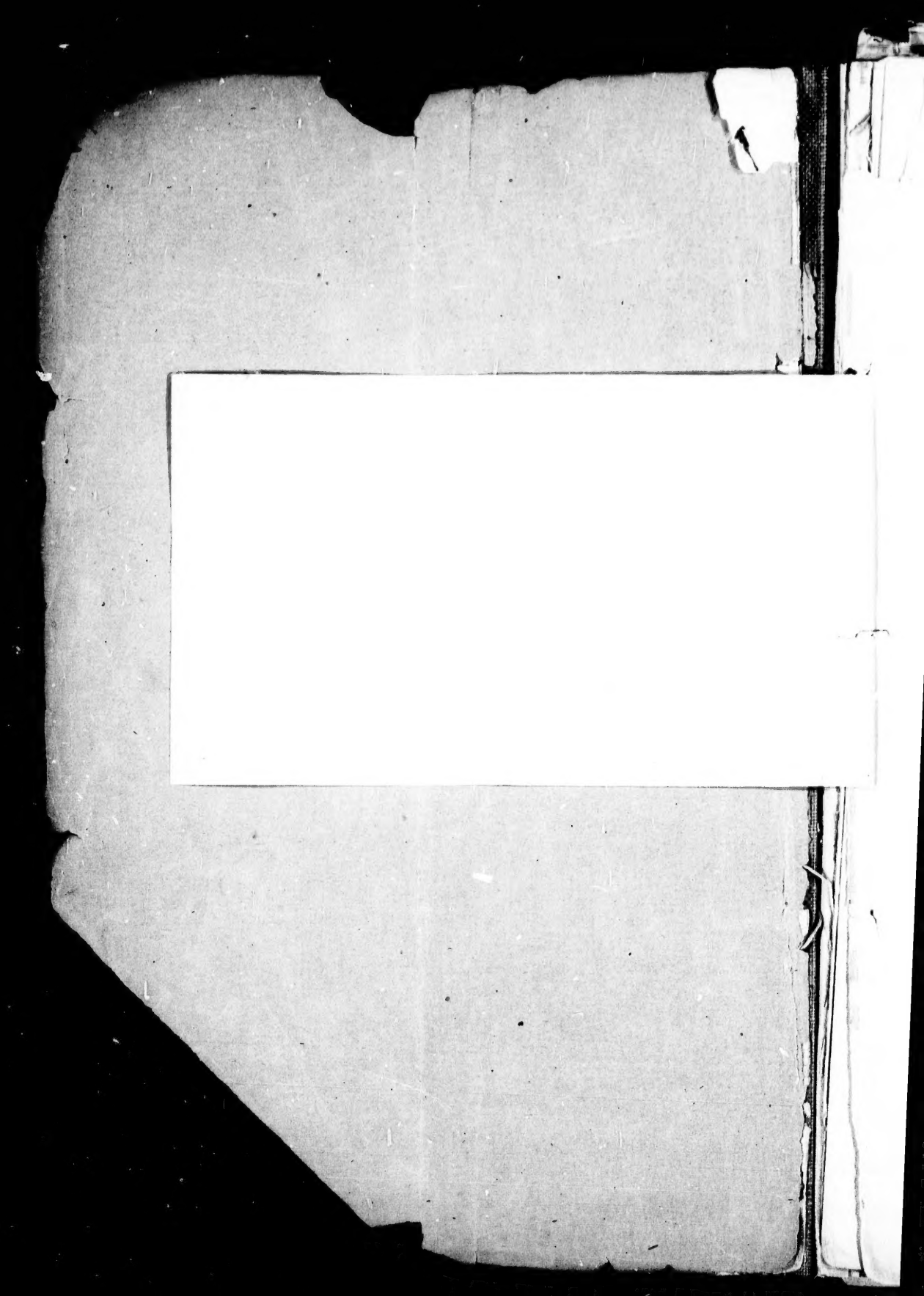
WITH THE COMPLIMENTS OF

THE AUTHOR

PLEASE ACKNOWLEDGE RECEIPT.

son, Mr. G. M. Dawson, Drs. D. S. Harrington and T. Sterry Hunt,
of Montreal; Mr. H. Engelmann, of La Salle, Ill.; Dr. F. V. Hayden
and Prof. J. W. Powell, U. S. Department of the Interior; Prof.
E. W. Hilgard, University of California; Prof. Henry Y. Hind,
Windsor, N. S.; Prof. C. H. Hitchcock, of Dartmouth College; Mr.
Henry A. Holmes, State Librarian, Albany; Maj. Jed. Hotchkiss,
Staunton, Va.; Prof. W. C. Kerr, Raleigh, N. C.; Dr. J. S. Newberry,
of Columbia College; Prof. W. H. Pettee, of the University of Mich-
igan; Dr. Samuel H. Scudder, Prof. N. S. Shaler, and Prof. J. D.
Whitney, of Harvard College; Mr. Sanderson Smith and Prof. J.
J. Stevenson, of New York; Mr. Addison Van Name, of Yale Col-
lege, and Lieut. Geo. M. Wheeler, U. S. Engineers.

PHILADELPHIA, 907 Walnut Street,
October 1st, 1879.



A CATALOGUE OF OFFICIAL REPORTS UPON
GEOLOGICAL SURVEYS OF THE UNITED STATES AND
TERRITORIES, AND OF BRITISH
NORTH AMERICA.

BY FREDERICK PRIME, JR., ASSISTANT GEOLOGIST OF PENNSYLVANIA.

THE first catalogue of Geological Reports of the United States was prepared by Prof. O. C. Marsh, and published in the *American Journal of Science and Arts* for 1867, vol. xliii, second series.

Since then the list has more than doubled, and it was thought that the publication of a new catalogue, brought down to date, would be useful to many of the members of the Institute of Mining Engineers. The compiler will be most thankful to have any omissions or inaccuracies in the list sent to him, to be published as a supplement in the next volume of the *Transactions*. Especially to have the correct title, number of pages, plates, and maps of any volume on the list to which an * is prefixed, as he has been unable to personally consult such works.

A preliminary list was issued last February, which has been almost doubled by the kindness of many friends. The writer desires more especially to express the obligations he is under to the following gentlemen: The Chief of Engineers, U. S. A.; Principal Dawson, Mr. G. M. Dawson, Drs. B. J. Harrington and T. Sterry Hunt, of Montreal; Mr. H. Engelmann, of La Salle, Ill.; Dr. F. V. Hayden and Prof. J. W. Powell, U. S. Department of the Interior; Prof. E. W. Hilgard, University of California; Prof. Henry Y. Hind, Windsor, N. S.; Prof. C. H. Hitchcock, of Dartmouth College; Mr. Henry A. Holmes, State Librarian, Albany; Maj. Jed. Hotchkiss, Staunton, Va.; Prof. W. C. Kerr, Raleigh, N. C.; Dr. J. S. Newberry, of Columbia College; Prof. W. H. Pettee, of the University of Michigan; Dr. Samuel H. Scudder, Prof. N. S. Shaler, and Prof. J. D. Whitney, of Harvard College; Mr. Sanderson Smith and Prof. J. J. Stevenson, of New York; Mr. Addison Van Name, of Yale College, and Lieut. Geo. M. Wheeler, U. S. Engineers.

PHILADELPHIA, 907 Walnut Street,
October 1st, 1879.

ALABAMA.

- ✓ First Biennial Report on the Geology of Alabama; by M. Tuomey. Tuscaloosa, 1850. 8vo., xxxii, and 176 pp., and map.
- ✓ *M. Tuomey, 1853. Geological Map of Alabama.
- ✓ Second Biennial Report on the Geology of Alabama; by M. Tuomey, Geologist to the State; edited by J. W. Mallet. Montgomery, 1858. 8vo., xix, and 292 pp., and plate.
- ✓ Geological Survey of Alabama. Report of Progress for 1874; by Eugene A. Smith, State Geologist. Montgomery, 1875. 8vo., 139 pp.
- ✓ Geological Survey of Alabama. Report of Progress for 1875; by Eugene A. Smith, State Geologist. Montgomery, 1876. 8vo., 220 pp.
- ✓ Geological Survey of Alabama. Report of Progress for 1876; by Eugene A. Smith, State Geologist. Montgomery, 1876. 8vo., 100 pp., and map.

ALASKA.

- ✓ Report of the Superintendent of the United States Coast Survey for 1867. Washington, 1868. 4to. Contains, pp. 187-329. Report of George Davidson relative to the Resources and the Coast Features of Alaska Territory. Including Reports on Geology, by Theo. A. Blake; on Zoology, by W. G. W. Harford; and on Botany, by Albert Kellogg.
- ✓ Geographical Notes upon Russian America and the Stickeen River; by William P. Blake. Washington, 1868. 8vo., 19 pp., and map.

ARKANSAS.

- ✓ Geological Report of an Examination made in 1834 of the Elevated Country between the Missouri and Red Rivers; by G. W. Featherstonhaugh, U. S. Geologist. Washington, 1835. 12mo., 97 pp. and section.
- ✓ First Report of a Geological Reconnaissance of the Northern Counties of Arkansas, made during the years 1857 and 1858; by David Dale Owen, Principal Geologist. Little Rock, 1858. 8vo., 256 pp., and 7 plates.
- ✓ Second Report of a Geological Reconnaissance of the Middle and Southern Counties of Arkansas, made during the years 1859 and 1860; by David Dale Owen, Principal Geologist. Philadelphia, 1860. 8vo., 433 pp., 14 plates and map.

BRITISH AMERICA.

- Henry Y. Hind. Report on the Explorations of the Country between Lake Superior and the Red River Settlement. Toronto, 1858. 8vo., 425 pp., and map.
- S. J. Dawson. Report on the Exploration of the Country between Lake Superior and the Red River Settlement, and between the latter place and the Assinniboine and Saskatchewan. Toronto, 1859. 4to., 45 pp., and 3 maps.
- *Henry Y. Hind. Report on the Assinniboine Expedition in 1858-9. Toronto, 1860. Folio, — pp., maps.
- Report of Progress, together with a Preliminary and General Report on the Assinniboine and Saskatchewan Exploring Expedition. Made under instructions from the Provincial Secretary, Canada; by Henry Youle Hind. London, 1860. Folio, 219 pp., 7 maps, and 2 plates. [Blue Book.]
- *Papers relative to the Exploration of British America; by Captain Palliser. [Blue Book.] London, 1859.—Maps, etc.
- Report on the Exploration of British America; by Captain Palliser. Including Geological Report, by Dr. James Hector. 1857-60. [Blue Book.] London, 1863. 8vo., 325 pp.,—maps, plates, and sections.
- Report of the U. S. Coast Survey for 1860. Appendix, No. 42. Notes on the Geology of the Coast of Labrador; by Oscar M. Lieber. pp. 402-408, and map.
- British North American Boundary Commission. Report on the Geology and Resources of the Region in the Vicinity of the Forty-ninth Parallel, from the Lake of the Woods to the Rocky Mountains; with Lists of Plants and Animals collected and Notes on the Fossils; by George Mercer Dawson, Geologist and Botanist to the British North American Boundary Commission. Montreal, 1875. Roy. 8vo., xi and 387 pp., 2 maps, section, and 18 plates.
- British North American Boundary Commission. Geological Report of Progress for the year 1873 (in part). Report on the Tertiary Lignite Formation in the Vicinity of the Forty-ninth Parallel; by George M. Dawson. Montreal, 1874. 8vo., 31 pp., and 2 plates.

CALIFORNIA.

- ✓ Geographical Memoir upon Upper California in Illustration of his Map of Oregon and California; by John Charles Fremont. Washington, 1848. 8vo., 67 pp.
- ✓ Map of same.

✓ Geology and Industrial Resources of California; by Philip T. Tyson. Baltimore, 1851. 8vo., xxxiv, 127, and 37 pp., 9 sections and 4 maps.

[Also printed, Washington, 1850, without xxxiv pp.]

✓ * William P. Blake. Report to the War Department. Washington, 1854, 8vo., 80 pp.

✓ Geology of the Sierra Nevada or California Range; by John B. Trask. —, 1853, 8vo., 31 pp.

✓ Report on the Geology of the Coast Mountains and Part of the Sierra Nevada, embracing their industrial Resources in Agriculture and Mining; by John B. Trask. —, 1854, 8vo., 95 pp.

✓ Report on the Geology of the Coast Mountains; by John B. Trask. —, 1855, 8vo., 93 pp.

✓ Report on the Geology of Northern and Southern California, embracing the Mineral and Agricultural Resources of those Sections, with Statistics of the Northern, Southern, and Middle Mines; by John B. Trask. Sacramento, 1856. 8vo., 64 pp.

✓ * William Patton. Geology of a Part of Calaveras County. Dec. 1854. In Report to the Surveyor-General of California. Sacramento, 1855.

✓ Observations on the Physical Geography and Geology of the Coast of California, from Bodega Bay to San Diego. Coast Survey Report for 1855. Washington, 1855. 4to., 23 pp. and 4 maps. [W. P. Blake.]

✓ The Geological Survey of California, an Address delivered before the Legislature of California, at Sacramento, Tuesday evening, March 12th, 1861; by J. D. Whitney, State Geologist. San Francisco, 1861. 8vo., 50 pp.

✓ Letter of the State Geologist relative to the Progress of the State Geological Survey. San Francisco, 1862. 8vo., 7 pp. [J. D. Whitney.]

✓ Lecture on Geology, delivered before the Legislature of California, at San Francisco, Thursday evening, February 27th, 1862; by J. D. Whitney, State Geologist. San Francisco, 1862. 8vo., 33 pp.

✓ Annual Report of the State Geologist of California for the year 1862. San Francisco, 1863. 8vo., 12 pp. [J. D. Whitney.]

✓ Annual Report of the State Geologist for the year 1863. N.d. 8vo., 7 pp. [J. D. Whitney.]

✓ Lecture on Geology, delivered before the Legislature of California, at Sacramento, Tuesday evening, March 19th, 1863; by J. D. Whitney, State Geologist. Sacramento, 1863. 8vo., 17 pp.

- Letter of the State Geologist relative to the Progress of the State Geological Survey during the years 1864-65 (erroneously printed 1863-64). Sacramento, 1866. 8vo., 14 pp. [J. D. Whitney.] ✓
- Letter of the State Geologist relative to the Progress of the State Geological Survey, during the years 1866-67. Sacramento, 1867. 8vo., 15 pp. [J. D. Whitney.] 2
- An Address on the Propriety of continuing the State Geological Survey of California, delivered before the Legislature, Jan. 30th, 1868; by J. D. Whitney, State Geologist. San Francisco, 1868. 8vo., 23 pp. 2
- Report of the State Geologist on the condition of the Geological Survey of California. Sacramento, 1869. 8vo., 7 pp. [J. D. Whitney.] ✓
- Letter of the State Geologist, relative to the Progress of the Survey during the years 1870-71. Sacramento, 1871. 8vo., 13 pp. [J. D. Whitney.] ✓
- Statement of the Progress of the State Geological Survey of California, during the years 1872-3. ———, 1873, 8vo., 14 pp. [J. D. Whitney.] ✓
- Geological Survey of California, J. D. Whitney, State Geologist. Geology. Vol. I. Report of Progress and Field-work from 1860 to 1864-1865. Philadelphia, 1865. 4to., xxvii and 498 pp., and plate.
- Geological Survey of California, J. D. Whitney, Director. Palæontology, Vol. I. Carboniferous and Jurassic Fossils; by F. B. Meek. Triassic and Cretaceous Fossils; by W. M. Gabb. Philadelphia, 1864. 4to., xx and 243 pp., and 32 plates.
- Geological Survey of California, J. D. Whitney, Director. Palæontology, Vol. II. Cretaceous and Tertiary Fossils; by W. M. Gabb. Philadelphia, 1869. 4to., xiv and 299 pp., and 36 plates.
- Geological Survey of California, J. D. Whitney, Director. Ornithology, Vol. I. Land Birds, edited by S. F. Baird, from the MSS. and notes of J. G. Cooper. Cambridge, 1870. 4to., xi and 592 pp.
- Mining Statistics, No. 1. Tabular Statement of the Condition of the Auriferous Quartz Mines in that part of Mariposa and Tuolumne Counties, lying between the Merced and Stanislaus Rivers, Aug. to Nov. 1865; by A. Rémond. 4to., 16 pp.
- The Yosemite Guide Book. A Description of the Yosemite Valley and the adjacent Region of the Sierra Nevada, and of the Big

- Trees of California. New York, 1868. Roy. 8vo., 116 pp., 28 plates, and 2 maps. [J. D. Whitney.]
- The Yosemite Guide Book. Cambridge, 1869. 16mo., 155 pp., 2 maps. [J. D. Whitney.]
- [Second Edition. 12mo., 186 pp., and 4 maps. Cambridge, 1874.]
- Geological Survey of California, J. D. Whitney, State Geologist. Contributions to Barometric Hypsometry, with Tables for use in California. Cambridge, 1874. Roy. 8vo., 88 pp.
- ✓ Supplementary Chapter and Practical Application of the Tables to the Observations of the years 1870-71, and a Discussion of the Results obtained; by J. D. Whitney. Cambridge, 1878. 4to., 24 pages.
- Geographical Catalogue of the Mollusca found west of the Rocky Mountains, between latitudes 33° and 49° N.; by J. G. Cooper. San Francisco, 1867. 4to., 40 pp.
- ✓ Catalogue of the Invertebrate Fossils of the Western Slope of the United States. Part 2. By J. G. Cooper. San Francisco, 1871. 12mo., v and 1 pp., 4-30 ff.
- ✓ Geological Survey of California, J. D. Whitney, Director. Botany. Vol. I. Polypetalæ; by W. H. Brewer and Sereno Watson. Gamopetalæ; by Asa Gray. Cambridge, 1876. 4to., xx and 628 pp.
- ✓ Map of the region adjacent to the Bay of San Francisco, in portfolio. New York, 1873. 2 miles = 1 inch.
- ✓ Map of Central California, N.p.; n.d.
- ✓ Map of California and Nevada. Drawn by F. v. Leicht and A. Craven. New York, 1873. Scale: 18 miles = 1 inch.
- [Second Edition; revised by Hoffman and Craven. New York, 1874.]
- ✓ *Report of the Joint Committee on the Geological Survey of the State. [Made to the Legislature in 1874.]

CANADA.†

- 2-1 *William E. Logan. Report of Progress for 1842 and 1843. Montreal, 1845. 8vo., 159 pp., and 3 plates.
- *William E. Logan. Report of Progress for 1844. Montreal, 1846. 8vo., 110 pp.

† See also, under the heads of New Brunswick and Nova Scotia. Up to 1870 the Geological Reports were printed as an Appendix to the Journals of the Legislative Assembly in English and French. Only the English editions have been noted in this Catalogue.

A CATALOGUE OF OFFICIAL REPORTS, ETC.

- *William E. Logan. Report of Progress for 1845. Montreal, 1847. 8vo., 125 pp.
- *William E. Logan. Report of Progress for 1846. Montreal, 1847. 8vo., 66 pp.
- Remarks on the Mining Region of Lake Superior, addressed to the Committee of the Executive Council; and Report on Mining Locations claimed on the Canadian Shore of the Lake, addressed to the Commissioner of Crown Lands; by W. E. Logan. Montreal, 1847. 12mo., 31 pp.
- *William E. Logan. Report of Progress for 1847. Montreal, 1849. 8vo., 165 pp.
- Report of a Geological Exploration of part of the North Shore of Lake Huron, made by W. E. Logan in 1848. Montreal, 1849. 8vo., 51 pp. X0
- Geological Survey of Canada. Report of Progress for 1848-49. Toronto, 1850. 8vo., 65 pp. [W. E. Logan.]
- Geological Survey of Canada. Report of Progress for 1849-50. Toronto, 1850. 8vo., 115 pp. [W. E. Logan.]
- Geological Survey of Canada. Report of Progress for 1850-51. Quebec, 1852. 8vo., 54 pp. [W. E. Logan.]
- Geological Survey of Canada. Report of Progress for 1851-52. Quebec, 1852. 8vo., 121 pp. [W. E. Logan.]
- *William E. Logan. Report of Progress for 1852. Quebec, 1854. 8vo., 179 pp.
- Geological Survey of Canada. Report of Progress for the years 1853-54-55-56. Toronto, 1857. 8vo., iv and 494 pp., 4 maps. [W. E. Logan.] 72
- Plans of various Lakes and Rivers between Lake Huron and the River Ottawa, to accompany the Geological Reports for 1853-54-55-56. Toronto, 1857. 4to., 22 maps. [W. E. Logan.]
- Geological Survey of Canada. Report of Progress for the year 1857. Toronto, 1858. 8vo., iii and 240 pp., and 5 maps. [W. E. Logan.]
- Geological Survey of Canada. Report of Progress for the year 1858. Montreal, 1859. 8vo., iii and 263 pp., and 4 maps. [W. E. Logan.]
- Geological Survey of Canada. Report of Progress from its Commencement to 1863; illustrated by 498 woodcuts in the text. Montreal, 1863. 8vo., xxvii, and 983 pp. [W. E. Logan.]
- Geological Survey of Canada. Report of Progress from its Com-

- mencement to 1863. Atlas of Maps and Sections. Montreal, 1865. 8vo., iv and 42 pp., 13 maps and sections. [W. E. Logan.]
- Geological Survey of Canada, Sir W. E. Logan, Director. Report of Progress from 1863 to 1866. Ottawa, 1866. 8vo., viii and 321 pp.
- Geological Survey of Canada, Sir W. E. Logan, Director. Summary Report of Progress in Geological Investigations. Dated 1st May, 1869. Ottawa, 1869. 8vo., 9 pp.
- Geological Survey of Canada, Alfred R. C. Selwyn, Director. Report of Progress from 1866 to 1869. Montreal, 1870. 8vo., vi and 475 pp., and 7 maps.
- Geological Survey of Canada, Alfred R. C. Selwyn, Director. Summary Report of Progress in Geological Investigations. Dated 2d May, 1870. Ottawa, 1870. 8vo., 14 pp.
- Geological Survey of Canada, Alfred R. C. Selwyn, Director. Report of Progress for 1870-71. Ottawa, 1872. 8vo., v and 351 pp.
- Geological Survey of Canada, Alfred R. C. Selwyn, Director. Report of Progress for 1871-72. Montreal, 1872. 8vo., viii and 154 pp., 2 maps and plate.
- Geological Survey of Canada, Alfred R. C. Selwyn, Director. Report of Progress for 1872-73. Montreal, 1873. 8vo., ix and 300 pp., 2 plates, and 4 maps.
- Geological Survey of Canada, Alfred R. C. Selwyn, Director. Report of Progress for 1873-74. Montreal, 1874. 8vo., xi and 268 pp., 3 maps, 3 plates and sections.
- Geological Survey of Canada. Alfred R. C. Selwyn, Director. Report of Progress for 1874-75. Montreal, 1876. 8vo., xiv and 319 pp., 2 plates, 2 sections, and 4 maps.
- Geological Survey of Canada, Alfred R. C. Selwyn, Director. Report of Progress for 1875-76. Montreal, 1877. 8vo., xxiii and 432 pp., 14 plates, 3 maps, and 2 sections.
- Geological Survey of Canada, Alfred R. C. Selwyn, Director. Report of Progress for 1876-77. Montreal, 1878. 8vo., viii and 531 pp., 14 plates and sections, and 5 maps.
- Geological Survey of Canada, Sir W. E. Logan, Director. Figures and Descriptions of Canadian Organic Remains. Decade I. Montreal, 1859. 8vo., vi and 47 pp., and 10 plates. [J. W. Salter.]
- Geological Survey of Canada, Sir W. E. Logan, Director. Figures and Descriptions of Canadian Organic Remains. Decade II.

- Graptolites of the Quebec Group; by James Hall. Montreal, 1865. 8vo., 150 pp., 23 plates.
- Geological Survey of Canada, Sir W. E. Logan, Director. Figures and Descriptions of Canadian Organic Remains. Decade III. Montreal, 1858. 8vo., vii and 102 pp., and 12 plates. [J. W. Salter, E. Billings, and R. Jones.]
- Geological Survey of Canada, Sir W. E. Logan, Director. Figures and Descriptions of Canadian Organic Remains. Decade IV. Montreal, 1859. 8vo., vi and 72 pp., and 10 plates. [E. Billings.]
- Geological Survey of Canada, Sir W. E. Logan, Director. Palæozoic Fossils. Vol. I, containing Descriptions and Figures of new or little known species of Organic Remains from the Silurian Rocks. 1861-1865; by E. Billings. Montreal, 1865. 8vo. 426 pp.
- Geological Survey of Canada, Alfred R. C. Selwyn, Director. Palæozoic Fossils. Vol. II, Part I; by E. Billings, Palæontologist. Montreal, 1874. 8vo., 144 pp., and 10 plates.
- Geological Survey of Canada, Sir W. E. Logan, Director. Catalogues of the Silurian Fossils of the Island of Anticosti; by E. Billings, Palæontologist. Montreal, 1866. 8vo., 93 pp.
- Geological Survey of Canada; Alfred R. C. Selwyn, Director. The Fossil Plants of the Devonian and Upper Silurian Formations of Canada; by J. W. Dawson. Montreal, 1871. 8vo., 92 pp., and 20 plates.
- Geological Survey of Canada, Alfred R. C. Selwyn, Director. Report on the Fossil Plants of the Lower Carboniferous and Millstone-Grit Formations of Canada; by J. W. Dawson. Montreal, 1873. 8vo., 47 pp., and 11 plates.
- Geological Survey of Canada; Alfred R. C. Selwyn, Director. Mesozoic Fossils. Vol. I, Part I. On some Invertebrates from the Coal-bearing Rocks of the Queen Charlotte Islands, collected by Mr. James Richardson in 1872; by J. F. Whiteaves. Montreal, 1876. Roy. 8vo., 92 pp., map and 10 plates.
- Vol. I, Part II. On the Fossils of the Cretaceous Rocks of Vancouver and adjacent Islands in the Strait of Georgia; by J. F. Whiteaves. Montreal, 1879. Roy. 8vo., 93-190 pp., and 10 plates.
- Esquisse Géologique du Canada; par W. E. Logan and T. Sterry Hunt. Paris, 1855. 12mo., 100 pp., and map.
- Geological Survey of Canada. Descriptive Catalogue of a Collection of the Economic Minerals of Canada, and of its Crystalline

- Rocks, sent to the London International Exhibition of 1862. Montreal, 1862. 8vo., 83 pp.
- Canada. A Geographical, Agricultural, and Mineralogical Sketch. Quebec, 1865. 12mo., 33 pp.
- Esquisse Géologique du Canada : par T. Sterry Hunt. Paris, 1867. 8vo., 72 pp.
- Notes on the Gold of Eastern Canada, being a Reprint of portions of various Reports of the Geological Survey of Canada from 1848 to 1863. Montreal, 1864. 8vo., 40 pp.
- Report on the Canadian Gold Fields, and the best means of their Development. Quebec, 1865. 8vo., 126 pp., and 2 maps.
- Reports on the Gold Region of the County of Hastings; by T. Sterry Hunt and A. Michel. Montreal, 1867. 8vo., 11 pp.
- Laurentian Limestones of North America. Reprinted with additions from the Report of the Geological Survey for 1863-66; by T. Sterry Hunt. ———, 1871. 8vo., 54 pp.
- Petroleum—Its geological relations considered with especial reference to its occurrence in Gaspé, with a geological map; by T. Sterry Hunt. Montreal, 1865. 8vo., 19 pp., and map.
- Descriptive Catalogue of a Collection of the Economic Minerals of Canada, and Notes on a Stratigraphical Collection of Rocks. Montreal, 1876. 8vo., 152 pp.
- Exposition Universelle de 1878, à Paris. Catalogue des Minéraux, Roches et Fossiles du Canada, avec Notes descriptives et explicatives; par B. J. Harrington. Londres, 1878. 8vo., 134 pp.
- Map of the Springhill Coal Field, County of Cumberland, Nova Scotia.
- Map of the Grand Lake Coal Field and the older Rock Formations in Queens and Sunbury Counties, New Brunswick.
- Geological Map of Canada, and part of the United States, from Hudson's Bay to Virginia, and from the Missouri River to Newfoundland; by Sir W. E. Logan, with the co-operation of James Hall. Montreal, 1866.
- List of Publications of the Geological Survey of Canada. Montreal, 1879. 8vo., 22 pp.

CONNECTICUT.

- A Report on the Geological Survey of Connecticut; by Charles Upham Shepard, New Haven, 1837. 8vo., 188 pp.
- Report on the Geology of the State of Connecticut; by James G. Percival. New Haven, 1842. 8vo., 495 pp. and map.

DELAWARE.

- *J. C. Booth. First and Second Annual Reports. Dover, 1839. 8vo., 25 pp. ✓
- Memoir of the Geological Survey of the State of Delaware: including the application of the geological observations to Agriculture; by James C. Booth. Dover, 1841. 8vo., ix and 188 pp. ✓

FLORIDA.

- Report of the Superintendent of the United States Coast Survey for 1851. Washington, 1852. Contains Report of Prof. L. Agassiz to the Superintendent on the Examination of the Florida Reefs, Keys, and Coast. [Reprinted in Coast Survey Report for 1866. Pp. 120-130.] ✓

GEORGIA.

- Report of a Geological and Agricultural Survey of Burke and Richmond Counties, Georgia. Performed under the Patronage of Citizens of the two counties; by John Ruggles Cotting. Augusta, 1836. 12mo., 198 pp. ✓
- Report of Progress of the Mineralogical, Geological and Physical Survey of the State of Georgia, for the period from September 1st to December 31st, 1874; by George Little, State Geologist. 1875. 8vo., 36 pp. ✓
- Second Report of Progress of the Mineralogical, Geological and Physical Survey of the State of Georgia for 1875; by George Little, State Geologist. 1876. 8vo., 16 pp. ✓
- Catalogue of Ores, Rocks, and Woods, selected from the Geological Survey Collection of the State of Georgia, U. S. A., with a Description of the Geological Formations. George Little, State Geologist. Atlanta, 1878. 8vo., 16 pp. ✓

ILLINOIS.

- Report of Progress of the State Geological Survey, communicated to the Illinois Legislature at their Session of 1853. Springfield, 1853. 8vo., 13 pp. [J. G. Norwood.] ✓
- Illinois Geological Survey. Abstract of a Report on Illinois Coal, with Descriptions and Analyses, and a general Notice of the Coal Fields; by J. G. Norwood, State Geologist. Chicago, 1858. 8vo., 93 and v pp., 2 plates of sections, and map. ✓

- ✓ Geological Survey of Illinois, A. H. Worthen, Director. Vol. I, Geology. Springfield, 1866. Roy. 8vo., xvi, 504 and 111 pp., 11 plates, sections and maps.
- Geological Survey of Illinois, A. H. Worthen, Director. Vol. II, Palæontology. Descriptions of Vertebrates, by J. S. Newberry and A. H. Worthen. Descriptions of Invertebrates, by F. B. Meek and A. H. Worthen. Descriptions of Plants, by Leo Lesquereux. Springfield, 1866. Roy. 8vo., xix, v, 470 and vi pp., and 50 plates.
- ✓ Geological Survey of Illinois, A. H. Worthen, Director. Vol. III, Geology and Palæontology. Geology, by A. H. Worthen; Palæontology, by F. B. Meek and A. H. Worthen. Springfield, 1868. Roy. 8vo., v, 574 and vi pp., 26 plates and map.
- ✓ Geological Survey of Illinois, A. H. Worthen, Director. Vol. IV, Geology and Palæontology. Geology, by A. H. Worthen. Palæontology: Descriptions of Vertebrates, by J. S. Newberry and A. H. Worthen. Descriptions of Plants, by Leo Lesquereux. Springfield, 1870. Roy. 8vo., vi, 508, and v pp., and 32 plates.
- ✓ Geological Survey of Illinois, A. H. Worthen, Director. Vol. V, Geology and Palæontology. Geology, by A. H. Worthen and James Shaw. Palæontology, by F. B. Meek and A. H. Worthen. Springfield, 1873. Roy. 8vo., vii, 619 and v pp., and 33 plates.
- ✓ Geological Survey of Illinois, A. H. Worthen, Director. Vol. VI, Geology and Palæontology. Geology, by A. H. Worthen, G. C. Broadhead, and E. T. Cox. Palæontology, by O. St. John, A. H. Worthen, and F. B. Meek. Springfield, 1875. Roy. 8vo., viii, 532 and iv pp., 34 plates and map.

INDIANA.

- ✓ Report of a Geological Reconnaissance of the State of Indiana, made in the year 1837, in conformity to an order of the Legislature; by D. D. Owen, State Geologist. Indianapolis, 1839. 8vo., 34 pp. [Reprinted. Indianapolis, 1859. 8vo., 63 pp.]
- ✓ Second Report of a Geological Reconnaissance of the State of Indiana, made in the year 1838 in conformity to an order of the Legislature; by D. D. Owen, State Geologist. Indianapolis, 1839. 8vo., 54 pp. [Reprinted. Indianapolis, 1859. 8vo., 69 pp.]
- ✓ *R. T. Brown. Letter to the Agricultural Board. Indianapolis, 1855. 8vo., 30 pp.

- Vol. I,
111 pp.,
- Vol. II,
erry and
B. Meek
Lesque-
l vi pp.,
- Vol. III,
en; Pa-
ringfield,
- Vol. IV,
. Pale-
erry and
quereux.
2 plates.
- Vol. V,
hen and
Worthen.
plates.
- Vol. VI,
n, G. C.
n, A. H.
vo., viii,
- Report of a Geological Reconnaissance of Indiana, made during the years 1859 and 1860, under the Direction of the late David Dale Owen, State Geologist; by Richard Owen, Principal Assistant. Indianapolis, 1862. 8vo., xvi, and 368 pp., and 8 plates.
- First Annual Report of the Geological Survey of Indiana, made during the year 1869; by E. T. Cox, State Geologist. Indianapolis, 1869. 8vo., 240 pp., 7 plates and sections, and 4 maps.
- Second Report of the Geological Survey of Indiana, made during the year 1870; by E. T. Cox, State Geologist. Indianapolis, 1871. 8vo., 303 pp., 14 plates and sections, and 3 maps.
- Third and Fourth Annual Reports of the Geological Survey of Indiana, made during the years 1871 and 1872; by E. T. Cox, State Geologist. Indianapolis, 1872. 8vo., 488 pp., 5 plates and 4 maps.
- Fifth Annual Report of the Geological Survey of Indiana, made during the year 1873; by E. T. Cox, State Geologist. Indianapolis, 1874. 8vo., 494 pp., 8 plates and 4 maps.
- Sixth Annual Report of the Geological Survey of Indiana, made during the year 1874; by E. T. Cox, State Geologist. Indianapolis, 1875. 8vo., 287 pp., 5 plates and sections, and 4 maps.
- Seventh Annual Report of the Geological Survey of Indiana, made during the year 1875; by E. T. Cox, State Geologist. Indianapolis, 1876. 8vo., 601 pp., 2 plates and 4 maps.

IOWA.

- Report on the Geological Survey of the State of Iowa, embracing the results of investigations made during portions of the years 1855, 1856, and 1857; by James Hall and J. D. Whitney. Vol. I. Albany, 1858. 8vo., xv, 724, 4 and 4 pp., 29 plates, plate of sections, and 2 maps.
- Geological Survey of Iowa. Supplement to Vol. I, Part II; by James Hall, State Geologist. 1859. Roy. 8vo., 92 pp. and 3 plates.
- J. Hall and J. D. Whitney. Supplement to Vol. I, Part II. Albany, 1859. 8vo., 4 pp.
- *J. Hall and J. D. Whitney. Annual Report. Des Moines, 1860. 8vo., 75 pp.
- Descriptions of New Species of Crinoidea, from Investigations of the Iowa Geological Survey. Preliminary Notice; by James Hall. Albany, 1861. Roy. 8vo., 19 pp.

✓ First Annual Report of Charles A. White, State Geologist. Des Moines, 1867. 8vo., 4 pp.

First and Second Annual Reports of Progress; by the State Geologist of the State of Iowa. Des Moines, 1868. 8vo., 284 pp. [C. A. White.]

✓ Report on the Geological Survey of the State of Iowa to the Thirteenth General Assembly, Jan., 1870; by Charles A. White. Vol. I. Des Moines, 1870. Roy. 8vo., viii and 391 pp., 10 plates, 6 sections, and 6 maps.

Report on the Geological Survey of the State of Iowa to the Thirteenth General Assembly, Jan., 1870; by Charles A. White. Vol. II. Des Moines, 1870. Roy. 8vo., viii and 443 pp., 5 plates, 3 sections, and 2 maps.

IOWA, WISCONSIN, AND ILLINOIS.

✓ Report of a Geological Exploration of part of Iowa, Wisconsin, and Illinois, made under instructions from the Secretary of the Treasury of the U. S., in the autumn of the year 1839; by David Dale Owen. Washington, 1844. 8vo., 191 pp., 27 plates and 4 maps.

KANSAS.

✓ Report of the Geological Survey of Miami County, Kansas; by G. C. Swallow, State Geologist. Kansas City, 1865. 8vo., 24 pp. and map.

✓ First Annual Report on the Geology of Kansas; by B. F. Mudge, State Geologist, for 1864. Lawrence, 1866. 8vo., 56 pp.

✓ Preliminary Report of the Geological Survey of Kansas; by G. C. Swallow, State Geologist. Lawrence, 1866. 8vo., 198 pp.

✓ Fourth Annual Report of the State Board of Agriculture to the Legislature of the State of Kansas, for the year ending Nov. 30th, 1875. 1875. 8vo. [contains pp. 107-127 "Geology of Kansas," by B. F. Mudge.]

✓ First Biennial Report of the State Board of Agriculture, to the Legislature of the State of Kansas, for the years 1877-78. Topeka, 1878. 8vo., 632 pp. [Contains, pp. 46-88, Geology of Kansas; by B. F. Mudge. With map, 2 sections and 6 plates.]

KENTUCKY.

✓ Report on the Geological Reconnoissance of Kentucky, made in 1838; by W. W. Mather. Frankfort, 1839. 8vo., 40 pp.

- Report of the Geological Survey in Kentucky, made during the years 1854 and 1855; by David Dale Owen, Principal Geologist. Frankfort, 1856. 4to., 416 pp., 7 plates, 6 maps and sections.
- Second Report of the Geological Survey in Kentucky, made during the years 1856 and 1857; by David Dale Owen, Principal Geologist. Frankfort, 1857. 4to., 391 pp.
- Third Report of the Geological Survey in Kentucky, made during the years 1856 and 1857; by David Dale Owen, Principal Geologist. Frankfort, 1857. 4to., 589 pp.
- Atlas of 10 plates, and 4 sections and maps. 4to.
- Fourth Report of the Geological Survey in Kentucky, made during the years 1858 and 1859; by David Dale Owen, Principal Geologist. Frankfort, 1861. 4to., 617 pp., and section.
- Geological Survey of Kentucky. N. S. Shaler, Director. Reports of Progress. Vol. I, new series. Frankfort, 1876. Roy. 8vo., xv, and 505 pp., 16 plates, section and map. *Pts 4, 5 & 8 wanting*
- Geological Survey of Kentucky. N. S. Shaler, Director. Reports of Progress. Vol. II, new series. Frankfort, 1877. Roy. 8vo., xix, and 476 pp., 41 sections, and 3 maps. *Pt 12 wanting*
- Geological Survey of Kentucky. N. S. Shaler, Director. Reports of Progress. Vol. III, new series. Frankfort, 1877. Roy. 8vo., xii, and 451 pp., and 5 maps.
- Geological Survey of Kentucky. N. S. Shaler, Director. Reports of Progress. Vol. IV, new series. Frankfort, 1878. Roy. 8vo., xvi, and 461 pp., 17 sheets of sections, and 3 maps. *Pts 1, 3, 13 wanting*
- Memoirs of the Geological Survey of Kentucky. N. S. Shaler, Director. Vol. I. Cambridge, 1876. 4to., iv, 246, iv, 44, and 31 pp., 26 plates and map.
- Vol V. Pts 4, 6, 7, 8, 9, 10, 11, 12 in Library*
Vol VI. " 3 LOUISIANA. "
- Exploration of the Red River of Louisiana in the year 1852; by Randolph B. Marey, U. S. A. Washington, 1854. 8vo., xiv and 286 pp., 66 plates and sections, and atlas of 2 maps.
- Preliminary Report of a Geological Reconnaissance of Louisiana; by Prof. E. W. Hilgard. New Orleans, 1869. 8vo., 15 pp. ✓
- Supplementary and Final Report of a Geological Reconnaissance of the State of Louisiana; by E. W. Hilgard. New Orleans, 1873. 8vo., 44 pp. ✓
- Report on the Geological Age of the Mississippi Delta; by E. W. Hilgard to Gen. A. A. Humphreys. Washington, 1870. 8vo., 10 pp. ✓

✓ Annual Reports of Professors Lockett, Hopkins, and Featherman on the Topography, Geology, and Botany of Louisiana, to the Board of Supervisors of the Louisiana State Seminary of Learning and Military Academy, for the year 1869. New Orleans, 1870. 8vo., 76 pp.

✓ In Annual Report of the Supervisors of the State University for 1870-71 is Second Annual Report of the Geological Survey of Louisiana; by Prof. F. V. Hopkins. 8vo., 35 pp., and map.

✓ In Annual Report of D. F. Boyd, Superintendent Louisiana State University, for the year 1871, to the Governor of the State of Louisiana, is contained (pp. 163-206) Third Annual Report of the Geological Survey of Louisiana; by F. V. Hopkins. New Orleans, 1871. 8vo.

✓ Memoir on the Geology of Louisiana and the Rock Salt Deposit on Petite Anse Island; by E. W. Hilgard. Smithsonian Institute, Washington, 1872. 4to., 34 pp., 2 maps and sections.

✓ Reports on the Specimens obtained from Borings made in 1874, between the Mississippi River and Lake Borgne, at the site proposed as an Outlet for Flood-waters; by Professors E. W. Hilgard and F. V. Hopkins. A Supplement to the Report of the Commission of Engineers of January 15th, 1875. Washington, 1878. 8vo., 49 pp., 3 plates, map and section.

MAINE.

✓ First Report on the Geology of the State of Maine; by Charles T. Jackson. Augusta, 1837. 8vo., 129 pp. Atlas, oblong folio of 24 plates.

✓ Second Report on the Geology of the State of Maine; by Charles T. Jackson. Augusta, 1838. 8vo., xiv and 168 pp.

✓ Third Annual Report on the Geology of the State of Maine; by Charles T. Jackson. Augusta, 1839. 8vo., xiv, 276 and lxiv pp.

✓ First Report on the Geology of the Public Lands in the State of Maine; by C. T. Jackson. Boston, 1837. 8vo., 47 pp.

✓ Second Annual Report on the Geology of the Public Lands belonging to the two States of Massachusetts and Maine; by C. T. Jackson. Boston, 1838. 8vo., xii, and 93 pp.

✓ Second Annual Report on the Geology of the Public Lands belonging to the two States of Maine and Massachusetts; by C. T. Jackson. Augusta, 1838. 8vo., xi, 100 and xxxvii pp., 9 plates.

✓ Report of an Exploration and Survey of the Territory on the Aroos-

took River, during the Spring and Autumn of 1838; by E. Holmes. Augusta, 1839. 8vo., 78 pp.

✓ Sixth Annual Report of the Secretary of the Maine Board of Agriculture, 1861. Augusta, 1861. 8vo., 477, and 123 pp., includes pp. 99 to 458, Report on the Scientific Survey of the State, including Geology; by C. H. Hitchcock, and a map.

Second Annual Report upon the Natural History and Geology of the State of Maine, 1862. 8vo., 447 pp., and map. [C. H. Hitchcock.] In the Seventh Annual Report of the Secretary of the Maine Board of Agriculture. Augusta, 1862.

MARYLAND.

✓ *Report of Hon. Wm. Cost Johnson. II. of R. Doc. No. 168. Washington, 1836.

✓ *Report of Hon. Charles Fenton Mercer to the House of Representatives of the United States, in 1834. Doc., No. 414, Appendix. Washington, 1834.

✓ Report on the Projected Survey of the State of Maryland, pursuant to a Resolution of the General Assembly. Annapolis, 1834. 8vo., 58 pp., and map. [J. T. Ducatel and J. H. Alexander.]

✓ Report on the New Map of Maryland, 1834. 8vo., 15 pp. [J. H. Alexander.]

✓ *Ducatel's First Report. Annapolis, 1834. 8vo., 51 pp., and 2 maps.

✓ Report on the New Map of Maryland, 1835-36. 8vo., 97 pp., plate and map. [J. H. Alexander and J. T. Ducatel. Includes Geological Report.]

✓ Report on the New Map of Maryland, 1836. 8vo., 104 pp., 5 maps and section.

✓ *Alexander's Report. Annapolis, 1837. 8vo., 44 pp.

✓ Annual Report of the Geologist of Maryland, 1837. 8vo., 39 pp., and 2 maps. [J. T. Ducatel.]

✓ Annual Report of the Geologist of Maryland, 1838. 8vo., 33 pp., 4 plates. [J. T. Ducatel.]

✓ Annual Report of the Geologist of Maryland, 1839. 8vo., 45 pp., and 2 maps. [J. T. Ducatel.]

✓ Annual Report of the Geologist of Maryland, 1840. 8vo., 59 pp., 3 plates. [J. T. Ducatel.]

✓ *Higgins's First to Sixth Annual Reports of the State Agricultural Chemist, 1851-58.

✓ First Report of Philip T. Tyson, State Agricultural Chemist, to the

House of Delegates of Maryland, Jan., 1860. Annapolis, 1860. 8vo., xi, 145, 20 pp., and 2 maps.

✓ Second Report of Philip T. Tyson, State Agricultural Chemist, to the House of Delegates of Maryland, Jan., 1862. Annapolis, 1862. 8vo., 92 pp.

✓ Report of the Select Committee appointed to prepare a Statement in relation to the Resources of Maryland. Annapolis, 1865. 8vo., 52 pp.

MASSACHUSETTS.

✓ Report of a Geological Survey of Massachusetts; by Edward Hitchcock. Part I., Economic Geology. Amherst, 1832. 8vo., 70 pp., and map.

✓ Report on the Geology, Mineralogy, Botany and Zoology of Massachusetts, in four parts; by Edward Hitchcock. Amherst, 1833. 8vo., xii and 692 pp., and 4to. atlas of 19 plates. [Second Edition. Amherst, 1835. 8vo., 702 pp., and 4to. atlas of 19 plates.]

✓ Report on a Re-examination of the Economical Geology of Massachusetts; by Edward Hitchcock. Boston, 1838. 8vo., 139 pp.

✓ Reports of the Commissioners on the Zoological Survey of the State. Boston, 1838. 8vo., 167 pp.

✓ Final Report on the Geology of Massachusetts, in four parts; by Edward Hitchcock. Amherst, 1841. 4to., 831 pp. 55 plates and map.

✓ Geological Map of Massachusetts, made by order of the Legislature; by Edward Hitchcock. 1844. [On the same sheet with the Topographical Map of Massachusetts; by Simeon Borden.]

✓ Explanation of the Geological Map of Massachusetts; by E. Hitchcock. Boston, 1844. 12mo., 22 pp.

✓ House, No. 33. Report and Bill relating to the Coal Mines of the State. Boston, 1839. 8vo., 45 pp.

✓ Commonwealth of Massachusetts. Report on the Geology of Massachusetts; by Edward Hitchcock. Boston, 1853. 8vo., 44 pp., 2 maps and 2 plates.

✓ Ichnology of New England. A Report on the Sandstone of the Connecticut Valley, especially its Fossil Footmarks. Made to the Government of the Commonwealth of Massachusetts; by Edward Hitchcock. Boston, 1858. 4to., xii and 220 pp., and 60 plates.

✓ Supplement to the Ichnology of New England. A Report to the Government of Massachusetts in 1863; by Edward Hitchcock. Boston, 1865. 4to., x and 96 pp., 20 plates.

✓ Catalogue of the Massachusetts State Cabinet, under the charge of the Secretary of the Board of Agriculture. 1859. [Contains the Geological part, lix pp., prepared by Edward Hitchcock.]

MICHIGAN.

State of Michigan. Report of the State Geologist. 1838. 8vo., 39 pp. [Douglass Houghton.]

State of Michigan. Appendix to the Report of the State Geologist, 1838. 8vo., 8 pp. [Douglass Houghton.]

Second Annual Report of the State Geologist of the State of Michigan. Detroit, 1839. 8vo., 39 and 123 pp. [Douglass Houghton.]

Third Annual Report of the State Geologist of the State of Michigan. Detroit, 1840. 8vo., 124 pp. [Douglass Houghton.]

Report of the State Geologist in relation to the Improvement of State Salt Springs. ———, 1839. 8vo., 8 pp. [Douglass Houghton.]

State of Michigan. Report of State Geologist, relative to the Improvement of Salt Springs. ———, 1840. 8vo., 9 pp. [Douglass Houghton.]

Fourth Annual Report of the State Geologist of the State of Michigan. Detroit, 1841. 8vo., 184 pp. [Douglass Houghton.]

Annual Report of State Geologist. ———, 1842. 8vo., 6 pp. [Douglass Houghton.]

Annual Report of State Geologist. ———, 1843. 8vo., 5 pp. [Douglass Houghton.]

Report of the State Geologist relative to the State Salt Springs. ———, 1843. 8vo., 6 pp. [Douglass Houghton.]

Annual Report of the State Geologist. ———, 1844. 8vo., 3 pp., and 3 maps. [Douglass Houghton.]

XXIXth Congress, 2d Session. House of Representatives. Doc. No. 591. Mineral Lands, Sale of. May 4th, 1846. Report of Mr. Relfe from the Committee on Public Lands. Washington, 1846. 8vo., 51 pp., and map.

*A. B. Gray. Report to the War Department on Mineral Lands of Lake Superior. Washington, 1846. 8vo., 23 pp. and map.

XXXIst Congress, 1st Session. Ex. Doc. No. 5. Report on the Geological and Mineralogical Survey of the Mineral Lands of the United States in the State of Michigan; by Charles T. Jackson, U. S. Geologist. Washington, 1849. 8vo., 234 pp., 6 maps.

XXXIst Congress, 1st Session. Ex. Doc. No. 5. Synopsis of the Explorations of the Geological Corps in the Lake Superior Land

- District in the Northern Peninsula of Michigan, under the direction of J. W. Foster and J. D. Whitney, U. S. Geologists. Washington, 1849. 8vo., 196 pp.
- XXXIst Congress, 1st Session. Ex. Doc. No. 5. Geological Report of W. A. Burt and Bela Hubbard on Survey of Township Lines in 1845-46. Washington, 1849. 8vo., 132 pp., 7 plates and sections, and 5 maps.
- Report on the Geology and Topography of a portion of the Lake Superior Land District in the State of Michigan; by J. W. Foster and J. D. Whitney, U. S. Geologists. Part I, Copper Lands. Washington, 1850. 8vo., 224 pp., 12 plates and 4 maps.
- Report on the Geology of the Lake Superior Land District; by J. W. Foster and J. D. Whitney, U. S. Geologists. Part II, the Iron Region, together with the General Geology. Washington, 1851. 8vo., xvi and 406 pp., 37 plates and 3 maps.
- First Biennial Report of the Progress of the Geological Survey of Michigan, embracing observations on the Geology, Zoölogy, and Botany of the Lower Peninsula. Made to the Governor, December 31st, 1860. Lansing, 1861. 8vo., 339 pp. [A. Winchell.]
- Report of the Joint Committees on Geological Survey made to the Legislature of Michigan, 1869. Lansing, 1869. 8vo., 15 pp.
- Report on the Progress of the State Geological Survey of Michigan. Presented to the State Geological Board, Nov. 22d, 1870, by Alexander Winchell, Director. Lansing, 1871. 8vo., 64 pp.
- Geological Survey of Michigan. Upper Peninsula, 1869-1873. Vol. I, Part I, Iron-bearing Rocks, T. B. Brooks. Part II, Copper-bearing Rocks, Raphael Pumpelly. Part III, Palæozoic Rocks, C. Rominger. New York, 1873. Roy. 8vo., xi, viii, 319, xi, 143, and 105 pp., 23 plates and atlas of 24 maps.
- [Part III. Published separately in 1872.]
- Geological Survey of Michigan. Upper Peninsula, 1869-1873. Vol. II, Appendices to Part I, Vol. I; by T. B. Brooks. New York, 1873. Roy. 8vo., 298 pp., and plate.
- Geological Survey of Michigan. Lower Peninsula, 1873-1876. Vol. III: Part I, Geology; Part II, Palæontology; by C. Rominger, State Geologist. New York, 1876. Roy. 8vo., 225 and 161 pp., 59 plates and map.
- The State of Michigan, embracing Sketches of its History, Position, Resources, and Industries. Compiled under authority of the Governor; by S. B. McCracken. Lansing, 1876. 8vo., 136 pp., 5 plates and map.

Twelfth Annual Report of the Secretary of the State Board of Agriculture of the State of Michigan, for the year 1873. Lansing, 1875. 8vo., 144 pp. Contains, pp. 103-107, The Economical Geology of the Region of Cheboygan and Old Mackinac, in the Counties of Presque Isle, Emmet, and Cheboygan; by N. H. Winchell.

First Annual Report of the Commissioner of Mineral Statistics of the State of Michigan for 1877-8 and previous years. Marquette, 1879. 8vo., 229 pp., and 6 plates. [C. E. Wright.]

MINNESOTA.

XXXIst Congress, 1st Session. Ex. Doc. No. 42. Report of the Secretary of War, communicating the Report of an Exploration of the Territory of Minnesota; by Brevet-Capt. Pope. Washington, 1850. 8vo., 56 pp.

State of Minnesota. No. 12, Legislature of 1861. Report on Geology. St. Paul, 1861. 8vo., 26 pp. [Anderson and Clark.]

Report of the State Geologist, Aug. H. Hanchett; together with the Physical Geography, Meteorology, and Botany of the North-eastern District of Minnesota; by Thomas Clark. St. Paul, 1865. 8vo., 82 pp.

Geological Reconnoissance of the Northern, Middle, and other counties of Minnesota; by Henry H. Eames, State Geologist, 1866. St. Paul, 1867. 8vo., 58 pp.

Report of N. C. D. Taylor on the Copper District of Kettle River, incorporating Mr. James Hall's estimates of the Copper Prospects of that District. 1866. 8vo., 2 pp. (Only in the Executive Documents.)

Report of the State Geologist, Henry H. Eames, on the Metalliferous Region bordering on Lake Superior. St. Paul, 1866. 8vo., 23 pp.

Geology and Minerals. A Report of Explorations in the Mineral Regions of Minnesota during the years 1848, 1859, and 1864; by Charles Whittlesey. Cleveland, 1866. 8vo., 54 pp.

Report of a Geological Survey of the Vicinity of Belle Plaine, Scott County, Minn.; by Alexander Winchell. St. Paul, 1872. 8vo., 16 pp.

The Geological and Natural History Survey of Minnesota. The First Annual Report, for the year 1872; by N. H. Winchell, State Geologist. St. Paul, 1873. 8vo., 112 pp. and map.

The Geological and Natural History Survey of Minnesota. The

- Second Annual Report, for the year 1873; by N. H. Winchell, State Geologist, and S. F. Peckham, Chemist. St. Paul, 1874. 8vo., 219 pp. and map.
- Report of Prof. N. H. Winchell concerning the Salt Spring Lands due to the State of Minnesota. St. Paul, 1874. 8vo., 26 pp.
- The Geological and Natural History Survey of Minnesota. The Third Annual Report, for the year 1874; by N. H. Winchell, State Geologist. St. Paul, 1875. 8vo., 42 pp. and 2 maps.
- The Geological and Natural History Survey of Minnesota. The Fourth Annual Report, for the year 1875; by N. H. Winchell, State Geologist. St. Paul, 1876. 8vo., 162 pp., 2 plates and 5 maps.
- The Geological and Natural History Survey of Minnesota. The Fifth Annual Report, for the year 1876; by N. H. Winchell, State Geologist. St. Paul, 1877. 8vo., 247 pp., 2 plates and 5 maps.
- The Geological and Natural History Survey of Minnesota. The Sixth Annual Report, for the year 1877; by N. H. Winchell, State Geologist. Minneapolis, 1878. 8vo., 225 pp., 2 plates and 3 maps.
- The Geological and Natural History Survey of Minnesota. The Seventh Annual Report, for the year 1878; by N. H. Winchell, State Geologist. Minneapolis, 1879. 8vo., 123 pp., and 21 plates.
- Engineer Department, United States Army. An Essay concerning Important Physical Features exhibited in the Valley of the Minnesota River, and upon their Signification. By Maj.-Gen. G. K. Warren, U. S. A. Washington, 1874. 8vo., 22 pp., and 4 plates.

MISCELLANEOUS.

- United States Exploring Expedition, during the years 1838, 1839, 1840, 1841, 1842, under the command of Charles Wilkes. Vol. X. Geology; by James D. Dana. Philadelphia, 1849. 4to., pp. xii, 9-756, and 5 maps. Folio atlas of 21 plates.
- Exploratory Travels through the Western Territories of North America, comprising a Voyage from St. Louis on the Mississippi, to the source of that river, and a Journey through the Interior of Louisiana and the Northeastern Provinces of New Spain. Performed in the years 1805-6-7, by order of the Government of the United States; by Zebulon Montgomery Pike, U. S. A. Philadelphia, 1810. 8vo., — pp., and 2 maps.

[Reprinted. London, 1811. 4to., xx and 436 pp., 2 maps.]

Narrative—Journal of Travels through the Northwestern Regions of the United States, extending from Detroit through the Great Chain of American Lakes to the source of the Mississippi River. Performed, as a member of the Expedition, under Governor Cass, in the year 1820, by Henry R. Schoolcraft. Albany, 1821. 8vo., 419 and iv pp., map and 8 plates.

Report on Bridging the Mississippi River between St. Paul, Minn., and St. Louis, Mo.; by Maj.-Gen. G. K. Warren, U. S. A. Washington, 1878. 8vo., 232 pp., and 65 plates.

Report of the Superintendent of the United States Coast Survey for 1867. Washington, 1868. 4to. Contains, pp. 183–186, Letters of Professor L. Agassiz on the Relation of Geological and Zoological Researches to General Interests in the Development of Coast Features.

MISSISSIPPI.

Report on the Agriculture and Geology of Mississippi, embracing a Sketch of the Social and Natural History of the State; by B. L. C. Wailes, Geologist of Mississippi. Jackson, 1854. 8vo., xx and 371 pp., 17 plates and map.

Preliminary Report on the Geology and Agriculture of the State of Mississippi; by L. Harper, State Geologist. Jackson, 1857. 8vo., vii, and 350 pp., 9 plates and map.

Report on the Geological and Agricultural Survey of the State of Mississippi; by Eugene W. Hilgard, State Geologist. Jackson, 1858. 8vo., 22 pp.

Report on the Geology and Agriculture of the State of Mississippi; by E. W. Hilgard, State Geologist. Jackson, 1860. 8vo., xxiv, and 391 pp., map and 2 plates.

MISSOURI.

H. King. Report of a Geological Reconnoissance of part of the Missouri River, adjacent to the Osage River, made to the Chief Engineer of the State, 1839. 19 pp. Published in 1841 (?).

The First and Second Annual Reports of the Geological Survey of Missouri; by G. C. Swallow, State Geologist. Jefferson City, 1855. 8vo., 207 and 239 pp., 15 plates, 19 sections, and 5 maps.

Third Report of Progress of the Geological Survey of Missouri; by G. C. Swallow. Jefferson City, 1857. 8vo., 3 pp.

Fourth Report of Progress of the Geological Survey of Missouri; by G. C. Swallow. Jefferson City, 1859. 8vo., 14 pp.

✓ Geological Report on the Country along the Line of the Southwestern Branch of the Pacific Railroad, State of Missouri; by G. C. Swallow, State Geologist; to which is prefixed a memoir of the Pacific Railroad. St. Louis, 1859. 8vo., xvii and 93 pp., 2 plates and map.

✓ Fifth Report of Progress of the Geological Survey of Missouri; by G. C. Swallow. Jefferson City, 1861. 8vo., 19 pp.

✓ Annual Report of the State Geologist for the State of Missouri. Jefferson City, 1871. 8vo., 21 pp. [A. D. Hager.]

✓ Geological Survey of Missouri, Raphael Pumpelly, Director. Preliminary Report on the Iron Ores and Coal Fields from the Field Work of 1872. New York, 1873. Roy. 8vo., xvi, 214 and 441 pp., plate, section, map, and atlas of 14 sheets.

✓ Reports on the Geological Survey of the State of Missouri, 1855-1871. By G. C. Broadhead, F. B. Meek, and B. F. Shumard. Jefferson City, 1873. 8vo., 323 and iv pp., 3 plates, section, and 9 maps.

✓ Report of the Geological Survey of the State of Missouri, including Field Work of 1873-1874. Garland C. Broadhead, State Geologist. Jefferson City, 1874. 8vo., 734, xlix and 4 pp., 28 plates, and atlas of 15 sheets.

NEW BRUNSWICK.†

✕ First Report on the Geological Survey of the Province of New Brunswick; by Abraham Gesner. St. John, 1839. 8vo., 82 pp.

✕ Second Report on the Geological Survey of the Province of New Brunswick; by Abraham Gesner. St. John, 1840. 8vo., xii and 72 pp.

• Third Report on the Geological Survey of the Province of New Brunswick; by Abraham Gesner. St. John, 1841. 8vo., xiv and 88 pp.

Fourth Report on the Geological Survey of the Province of New Brunswick; by Abraham Gesner. St. John, 1842. 8vo., 101 pp.

Report on the Geological Survey of the Province of New Brunswick, with a Topographical Account of the Public Lands and the District Explored in 1842; by Abraham Gesner. St. John, 1843. 8vo., 88 pp.

Report on the Agricultural Capabilities of the Province of New

† Since 1867 the Surveys of this Province have been included in the Geological Survey of Canada.

Brunswick; by J. F. W. Johnston. [Contains Robb's Notes on Geology. Pp. 12, 13, 38-47.] Fredericton, 1850. 8vo., 262 pp.
 *L. W. Bailey's Report on the Mines and Minerals. Fredericton, 1864. 8vo., 73 pp.

Observations on the Geology of Southern New Brunswick, made principally during the Summer of 1864, by Professor L. W. Bailey, George F. Matthew, and C. F. Hartt; made and arranged, with a Geological Map, by L. W. Bailey. Fredericton, 1865. 8vo., 159 pp., map and section.

A Preliminary Report on the Geology of New Brunswick, together with a Special Report on the Distribution of the "Quebec Group" in the Province; by Henry Youle Hind. Fredericton, 1865. 8vo., 298 pp.

Report on the Geological Structure and Mineral Resources of Prince Edward Island; by J. W. Dawson and B. J. Harrington. Montreal, 1871. 8vo., 52 pp., map, section, and 3 plates.

The Woods and Minerals of New Brunswick, being a Descriptive Catalogue of the Trees, Shrubs, Rocks, and Minerals of the Province available for Economic Purposes. (Prepared for Centennial Exhibition, 1876.) By L. W. Bailey and Edward Jack. Fredericton, 1876. 18mo., 51 pp.

NEWFOUNDLAND.

*J. B. Jukes. Preliminary Report. St. John's, 1839. Folio, — pp.
 General Report of the Geological Survey of Newfoundland, executed during the years 1839 and 1840; by J. B. Jukes. London, 1843. 8vo., 160 pp., and 2 plates of sections.

Report on the Geology of Newfoundland for 1865; by Alexander Murray; with a Prefatory Report and an Appendix by Sir W. E. Logan. Montreal, 1865. 8vo., 46 pp., and map.

Report upon the Geological Survey of Newfoundland for the year 1867; by A. Murray. St. John's, 1868. 8vo., 34 pp., and section.

Report upon the Geological Survey of Newfoundland for 1868; by A. Murray. St. John's, 1868. 8vo., 68 pp.

Report upon the Geological Survey of Newfoundland for the year 1869; by A. Murray. St. John's, 1870. 12mo., 35 pp.

Report upon the Geological Survey of Newfoundland for the year 1870; by A. Murray. St. John's, 1870. 8vo., 51 pp.

Report upon the Geological Survey of Newfoundland for the year 1871; by A. Murray. St. John's, 1872. 8vo., 49 pp.

Report upon the Geological Survey for the year 1872; by A. Murray. St. John's, 1873. 8vo., 34 pp.

Geological Survey of Newfoundland, Alexander Murray, Director.
Report of Progress for the year 1873. Montreal, 1873. 8vo., 47 pp., and map.

[Another Edition, without map, printed at St. John's, 1873. 8vo., 96 pp.]

[A Third Edition. St. John's, 1874. 8vo., 78 pp., and map.]

Geological Survey of Newfoundland, Alexander Murray, Director.
Report of Progress for the year 1874. St. John's, 1875. 8vo., 74 pp., and 3 maps.

[Another Edition. St. John's, 1875. 8vo., 68 pp.]

Geological Survey of Newfoundland, Alexander Murray, Director, and James P. Howley, Assistant. Report of Progress for the year 1875. St. John's, 1876. 8vo., 22 pp.

[Another Edition. St. John's, 1875. 8vo., 17 pp.]

Geological Survey of Newfoundland, Alexander Murray, Director, and James P. Howley, Assistant. Report of Progress for the year 1876. St. John's, 1877. 8vo., 63 pp.

Geological Map of Newfoundland; by Alexander Murray. Montreal, 1877.

NEW HAMPSHIRE.

First Annual Report on the Geology of the State of New Hampshire; by C. T. Jackson. Concord, 1841. 12mo., iv, and 164 pp.

*Journals of the Senate and House of Representatives. June Session, 1842. Contains, as Appendix, Report of the State Geologist [C. T. Jackson]. 6 pp.

*Journals of the Senate and House of Representatives. June Session, 1843. Contains Letter of Jackson to the Governor. 2 pp.

Final Report on the Geology and Mineralogy of the State of New Hampshire, with Contributions towards the Improvement of Agriculture and Metallurgy; by Charles T. Jackson. Concord, 1844. 4to., viii, and 376 pp., 8 plates, and 3 folded sheets.

First Annual Report upon the Geology and Mineralogy of the State of New Hampshire; by C. H. Hitchcock. Manchester, 1869. 8vo., 36 pp., and map.

Second Annual Report upon the Geology and Mineralogy of the State of New Hampshire; by C. H. Hitchcock. Manchester, 1870. 8vo., 37 pp., and map.

Report of the Geological Survey of the State of New Hampshire,

1872; by A. Mur-

Murray, Director.
real, 1873. 8vo.,

in's, 1873. 8vo.,

pp., and map.]

Murray, Director.
in's, 1875. 8vo.,

pp.]

Murray, Director, &
Progress for the

pp.]

Murray, Director,
Progress for the

Murray. Mon-

e of New Hamp-
., iv, and 164 pp.

tives. June Ses-
the State Geologist

tives. June Ses-
Governor. 2 pp.

the State of New
ovement of Agri-
Concord, 1844.
ets.

alogy of the State
Manchester, 1869.

mineralogy of the
ek. Manchester,

New Hampshire,

showing its progress during the year 1870; by C. H. Hitchcock.
Nashua, 1871. 8vo., 82 pp.

Report on the Geological Survey of the State of New Hampshire,
showing its progress during the year 1871; by C. H. Hitchcock.
Nashua, 1872. 8vo., 56 pp., and map.

Report of the Geological Survey of the State of New Hampshire,
showing its progress during the year 1872; by C. H. Hitchcock.
Nashua, 1873. 8vo., 15 pp., and map.

The Geology of New Hampshire. A report comprising the results
of explorations ordered by the Legislature. C. H. Hitchcock,
State Geologist. Part I, Physical Geography. Concord, 1874.
Roy. 8vo., pp. xii, and 668. 49 maps and illustrations.

The Geology of New Hampshire. A report comprising the results
of explorations ordered by the Legislature. C. H. Hitchcock,
State Geologist. Part II, Stratigraphical Geology. Concord,
1877. Roy. 8vo., pp. xii and 684. 40 maps and illustrations.

The Geology of New Hampshire. A report comprising the result
of explorations ordered by the Legislature. C. H. Hitchcock,
State Geologist. Part III, Surface Geology. Part IV, Miner-
alogy. Part V, Economic Geology. Concord, 1878. Roy. 8vo.,
viii, 386, 262, and 103 pp., and 30 plates.

Atlas of 16 plates. 1878.

NEW JERSEY.

Report on the Geological Survey of the State of New Jersey; by
Henry D. Rogers. Philadelphia, 1836. 188 pp., and plate.

Message of Gov. Ph. Dickerson to Legislature of New Jersey, sent
in on January 3d, 1837. Trenton, 1837. 12mo., 10 pp. [Con-
tains references to Rogers's Survey, and on pp. 9-10, has sum-
mary of operations for 1836, by H. D. Rogers.]

Description of the Geology of the State of New Jersey, being a final
Report; by Henry D. Rogers. Philadelphia, 1840. 8vo., 301
pp., map, and plate. [Reprinted without map. Trenton, 1865.]

First Annual Report of the Geological Survey of the State of New
Jersey for the year 1854. New Brunswick, 1855. 103 pp., and
4 plates. [Wm. Kitchell.]

Second Annual Report on the Geological Survey of the State of
New Jersey for the year 1855. Trenton, 1856. viii and 248
pp., 2 maps, and 17 plates. [Wm. Kitchell.]

Third Annual Report on the Geological Survey of the State of New
Jersey for the year 1856, with a Catalogue of Plants growing in

- Monmouth and Ocean Counties. Trenton, 1857. 8vo., 79 and 41 pp. [Wm. Kitchell and P. D. Knieskern.]
- Geology of the County of Cape May, State of New Jersey. Trenton, 1857. 208 pp., map, and 11 plates and illustrations. [Geo. H. Cook.]
- Report of George H. Cook upon the Geological Survey of New Jersey and its Progress during the year 1863. Trenton, 1864. 8vo., 13 pp.
- The Annual Report of Geo. H. Cook, State Geologist, to his Excellency Joel Parker, President of the Board of Managers of the Geological Survey of New Jersey, for the year 1864. Trenton, 1865. 8vo., 24 pp.
- Annual Report of Geo. H. Cook, State Geologist, to his Excellency Joel Parker, President of the Board of Managers of the Geological Survey of New Jersey, for the year 1865. Trenton, 1866. 8vo., 12 pp.
- Third Annual Report on the Geological Survey of the State of New Jersey for the year 1866. Trenton, 1867. 8vo., 27 pp. [Geo. H. Cook.]
- Report of the State Geologist, Geo. H. Cook, for the year 1867. Trenton, 1868. 8vo., 28 pp.
- Geology of New Jersey. By authority of the Legislature. George H. Cook, State Geologist. Newark, 1868. Roy. 8vo., xxiv and 900 pp., and 5 maps. Atlas of 8 maps.
- Annual Report of the State Geologist of New Jersey for 1869. Trenton, 1870. 8vo., 57 pp., 3 maps, and plate of profiles. [Geo. H. Cook.]
- Annual Report of the State Geologist of New Jersey for the year 1870. New Brunswick, 1871. 8vo., 75 pp., map, 2 plates of sections, and illustration. [Geo. H. Cook.]
- Annual Report of the State Geologist of New Jersey for the year 1871. New Brunswick, 1872. 8vo., 46 pp., map, and plate of profiles. [Geo. H. Cook.]
- Annual Report of the State Geologist of New Jersey for the year 1872. Trenton, 1872. 8vo., 44 pp. [Geo. H. Cook.]
- Geological Survey of New Jersey. Annual Report of the State Geologist for the year 1873. Trenton, 1873. 8vo., 128 pp., 2 plates, and map of Northern New Jersey in pocket. [Geo. H. Cook.]
- Geological Survey of New Jersey. Annual Report of the State

- Geologist for the year 1874. Trenton, 1874. 8vo., 115 pp., and map. [Geo. H. Cook.]
- Geological Survey of New Jersey. Annual Report of the State Geologist for the year 1875. Trenton, 1875. 8vo., 41 pp., and map. [Geo. H. Cook.]
- Catalogue of the Centennial Exhibit of the Geological Survey of New Jersey. 1876. 8vo., 84 pp.
- Geological Survey of New Jersey. Annual Report of the State Geologist for the year 1876. Trenton, 1876. 8vo., 56 pp., and map. [Geo. H. Cook.]
- Geological Survey of New Jersey. Annual Report of the State Geologist for the year 1877. Trenton, 1877. 8vo., 56 pp., and map. [Geo. H. Cook.]
- Geological Survey of New Jersey. Report on the Clay Deposits of Woodbridge, South Amboy, and other places in New Jersey, together with their uses for Fire-brick, Pottery, etc. Trenton, 1878. 8vo., viii and 381 pp., 2 maps, and plate of sections. [Geo. H. Cook and John C. Smock.]
- Geological Survey of New Jersey. Annual Report of the State Geologist for the year 1878. Trenton, 1878. 8vo., 131 pp., and map. [Geo. H. Cook.]

NEW YORK.

- A Geological Survey of the County of Albany, taken under the Direction of the Agricultural Society of the County. —, 1820. 8vo., 56 pp. [A. Eaton and T. Romeyn Beek.]
- Report of John A. Dix, Secretary of State, in Relation to a Geological Survey of the State. Albany, 1836. 8vo., 60 pp.
- [First] Annual Report on the Geological Survey of New York. Albany, 1837. 8vo., 214 pp.
- [Second] Annual Report on the Geological Survey of New York. Albany, 1838. 8vo., 384 pp.
- [Third] Annual Report on the Geological Survey of New York. Albany, 1839. 8vo., 351 pp.
- [Fourth] Annual Report on the Geological Survey of New York. Albany, 1840. 8vo., 484 pp.
- [Fifth] Annual Report on the Geological Survey of New York. Albany, 1841. 8vo., 184 pp.
- New York Assembly. April 28th, 1840. Report of the Select Committee on so much of the Governor's Message as relates to the Geological Survey. 8vo., 16 pp.

- New York Senate. March 13th, 1842. Communication from the Governor in relation to the Geological Survey. 8vo., 8 pp.
- New York Assembly. February 21st, 1844. Report of the Sec. of State in answer to a Resolution of January 20th, 1844, in relation to the Natural History of the State. 8vo., 20 pp.
- New York Senate. May 12th, 1845. Report of the Select Committee in relation to the Natural History of the State. 8vo., 15 pp.
- New York Senate. May 13th, 1845. Report of the Minority of the Select Committee in relation to the Natural History of the State. 8vo., 8 pp.
- New York Assembly. January 27th, 1846. Communication from the Governor and Secretary of State relative to the Disposal of the Volumes of the Natural History of the State. 8vo., 5 pp.

Natural History of the State of New York.

- Geology of New York. Part I, comprising Geology of the First Geological District; by William W. Mather. Albany, 1843. 4to., xxxvii and 671 pp., and 46 plates and maps.
- Geology of New York. Part II, comprising the Survey of the Second Geological District; by Ebenezer Emmons. Albany, 1842. 4to., x and 437 pp., 17 plates.
- Geology of New York. Part III, comprising the Survey of the Third Geological District; by Iardner Vanuxem. Albany, 1842. 4to., 306 pp.
- Geology of New York. Part IV, comprising the Survey of the Fourth Geological District; by James Hall. Albany, 1843. 4to., xxii and 683 pp., map, section, and 54 plates.
- Palæontology of New York. Vol. I, containing Descriptions of the Organic Remains of the Lower Division of the New York System; by James Hall. Albany, 1847. 4to., xxiii and 338 pp., and 100 plates.
- Palæontology of New York. Vol. II, containing Descriptions of the Organic Remains of the Lower Division of the New York System; by James Hall. Albany, 1852. 4to., viii and 362 pp., and 104 plates.
- Geological Survey of New York. Palæontology, Vol. III, containing Descriptions and Figures of the Organic Remains of the Lower Helderberg Group and the Oriskany Sandstone, 1855-59; by James Hall. Part I, Text. Albany, 1859. 4to., xii and 522 pp. Part II. Plates. Albany, 1861, 4to., 141 plates.

Geological Survey of New York. Palæontology, Vol. IV, Part I, containing Descriptions and Figures of the Fossil Brachiopoda of the Upper Helderberg, Hamilton, Portage and Chemung Groups, 1862-66; by James Hall. Albany, 1867. 4to., xi and 428 pp., and 69 plates.

Geological Survey of New York: Palæontology. Illustrations of Devonian Fossils: Gasteropoda, Pteropoda, Cephalopoda, Crustacea and Corals of the Upper Helderberg, Hamilton and Chemung Groups; by James Hall. Albany, 1876. 4to., 7 pp., and 126 plates. [A portion issued separately under the title "Corals of the Upper Helderberg and Hamilton Groups."]

Mineralogy of New York; by Lewis C. Beck. Albany, 1842. 4to., xxiv and 536 pp., 8 plates.

Agriculture of New York, comprising an Account of the Classification, Composition and Distribution of the Soils and Rocks, and the Natural Waters of the Different Geological Formations, together with a condensed View of the Climate and the Agricultural Productions of the State; by Ebenezer Emmons. Vol. I. Albany, 1846. 4to., xi and 371 pp., and 21 plates and map.

Vol. II. Albany, 1849. 4to., viii, 343, and 50 pp., and 42 plates.

Vol. III. Albany, 1851. 4to., viii and 340 pp., and 100 plates.

Vol. IV. Albany, 1851. 4to., viii pp., and 87 plates.

Vol. V. Albany, 1854. 4to., viii and 272 pp., and 50 plates.

A Flora of the State of New York, comprising full Descriptions of all the Indigenous and Naturalized Plants hitherto discovered in the State; with Remarks on their Economical and Medicinal Properties; by John Torrey. Vol. I. Albany, 1843. 4to., xii and 484 pp., and 72 plates.

Vol. II. Albany, 1843. 4to., 572 pp., and 89 plates.

Zoology of New York, or the New York Fauna; comprising detailed Descriptions of all the Animals hitherto observed within the State of New York; with brief Notes of those found occasionally near its borders, and accompanied by appropriate Illustrations; by James E. DeKay. Part I, Mammalia. Albany, 1842. 4to., xvi and 146 pp., and 33 plates.

Part II, Birds. Albany, 1844. 4to., xii, 380 pp., and 141 plates.

Part III, Reptiles and Amphibia. Albany, 1842. 4to., viii and 98 pp., and 23 plates.

Part IV, Fishes. Albany, 1842. 4to., xiv and 415 pp., and 79 plates.

Part V, Mollusca. Albany, 1843. 4to., viii and 271 pp., and 40 plates.

Part VI, Crustacea. Albany, 1844. 4to., vi and 70 pp., and 13 plates.

Report of the Regents of the University on the Condition of the Cabinets of Natural History. [New York Senate, March 12th, 1846.] 8vo., 10 pp.

Report of the Select Committee in relation to the Natural History of the State. [In Assembly, March 23d, 1846.] 8vo., 16 pp.

Communication from Ebenezer Emmons, transmitting his Report for locating the Clinton Prison. [In Assembly, October 5th, 1847.] 8vo., 9 pp.

Annual Report of the Regents of the University on the Condition of the State Cabinet of Natural History, with Catalogues of the same. Albany, 1848. 8vo., 33, 39, and 15 pp.

Second Annual Report of the Regents of the University on the Condition of the State Cabinet of Natural History. Albany, 1849. 8vo., 91 pp., and 5 plates.

Third Annual Report of the Regents of the University on the Condition of the State Cabinet of Natural History. Albany, 1850. 8vo., 97 pp., and 17 plates.

[Revised Edition. Albany, 1850. 8vo., 180 pp., and 27 plates.]

Report of the Select Committee appointed to investigate matters connected with the Publication of the State Work on Natural History. [In Assembly, January 2d, 1850.] 8vo., 179 pp., and table of accounts.

Fourth Annual Report of the Regents of the University on the Condition of the State Cabinet of Natural History. Albany, 1851. 8vo., 146 pp., and 5 plates.

Report of the Commissioners appointed to take charge of the Publication of the Geological Report, and to pay certain Claims against the State. [In Assembly, April 1st, 1851.] 8vo., 64 pp.

Fifth Annual Report of the Regents of the University on the Condition of the State Cabinet of Natural History. Albany, 1852. 8vo., 117 pp., and 22 plates.

Report of the Commissioners appointed to superintend the completion of the Publication of the "Natural History" of New York. [In Assembly, January 13th, 1852.] 8vo., 26 pp.

Sixth Annual Report of the Regents of the University on the

- Condition of the State Cabinet of Natural History. Albany, 1853. 8vo., 35 pp.
- Report of the Commissioners appointed to superintend the completion of the Publication of the "Natural History" of New York. [In Assembly, March 15th, 1853.] 8vo., 12 pp.
- Seventh Annual Report of the Regents of the University of the State of New York on the Condition of the State Cabinet of Natural History. Albany, 1854. 8vo., 126 pp., and 2 plates.
- Eighth Annual Report of the Regents of the University of the State of New York on the Condition of the State Cabinet of Natural History. Albany, 1855. 8vo., 69 pp., and plate.
- Ninth Annual Report of the Regents of the University of the State of New York on the Condition of the State Cabinet of Natural History. Albany, 1856. 8vo., 62 pp.
- Tenth Annual Report of the Regents of the University of the State of New York on the Condition of the State Cabinet of Natural History. Albany, 1857. 8vo., 190 pp.
- Eleventh Annual Report of the Regents of the University of the State of New York on the Condition of the State Cabinet of Natural History. Albany, 1858. 8vo., 43 pp.
- Twelfth Annual Report of the Regents of the University of the State of New York on the Condition of the State Cabinet of Natural History. Albany, 1859. 8vo., 111 pp.
- Thirteenth Annual Report of the Regents of the University of the State of New York on the Condition of the State Cabinet of Natural History. Albany, 1860. 8vo., 128 pp., 25 plates and map.
- Fourteenth Annual Report of the Regents of the University of the State of New York on the Condition of the State Cabinet of Natural History. Albany, 1861. 8vo., 109 pp., and 20 plates.
- Contributions to Paleontology. Continuation of Appendix C. Description of New Species of Fossils from the Upper Helderberg, Hamilton, and Chemung Groups. Continued from p. 109 of the Fourteenth Annual Report of the Regents of the University on the State Cabinet. Albany, 1861. 8vo., 170 pp.
- Fifteenth Annual Report of the Regents of the University of the State of New York on the Condition of the State Cabinet of Natural History. Albany, 1862. 8vo., 198 pp., and 2 plates.
- Sixteenth Annual Report of the Regents of the University of the State of New York on the Condition of the State Cabinet of Natural History. Albany, 1863. 8vo., 123 and 226 pp., and 12 plates.

- Seventeenth Annual Report of the Regents of the University of the State of New York on the Condition of the State Cabinet of Natural History. Albany, 1864. 8vo., 60 pp.
- Eighteenth Annual Report of the Regents of the University of the State of New York on the Condition of the State Cabinet of Natural History. Albany, 1865. 8vo., 231 pp., and 2 plates.
- Nineteenth Annual Report of the Regents of the University of the State of New York on the Condition of the State Cabinet of Natural History. Albany, 1866. 8vo., 80 pp.
- Twentieth Annual Report of the Regents of the University of the State of New York on the Condition of the State Cabinet of Natural History. Albany, 1867. 8vo., 410 pp., and 21 plates. [Reprint. Albany, 1868 (should be 1870). 4to., 447 pp., and 26 plates.]
- Preliminary Description of New York Lamellibranchiate Shells of the Upper Helderberg, Hamilton, and Chemung Groups, with others from the Waverly Sandstone. Albany, 1869. 8vo., 80 pp.
- Twenty-first Annual Report of the Regents of the University of the State of New York on the Condition of the State Cabinet of Natural History. Transmitted to the Legislature, April 20th, 1868. Albany, 1871. 8vo., vi, 190, and 5 pp., and 13 plates.
- Twenty-second Annual Report of the Regents of the University of the State of New York on the Condition of the State Cabinet of Natural History. Albany, 1869. 8vo., 113 pp., and map.
- Twenty-third Annual Report of the Regents of the University of the State of New York on the Condition of the State Cabinet of Natural History. Albany, 1873. 8vo., viii and 252 pp., and 14 plates.
- Twenty-fourth Annual Report on the New York State Museum of Natural History, by the Regents of the University. Albany, 1872. 232 pp., and 9 plates.
- Twenty-fifth Annual Report on the New York State Museum of Natural History, by the Regents of the University. Albany, 1873. 8vo., 123 pp., and 2 plates.
- Twenty-sixth Annual Report on the New York State Museum of Natural History, by the Regents of the University. Albany, 1874. 8vo., 192 pp.
- Twenty-seventh Annual Report on the New York State Museum of Natural History, by the Regents of the University. Albany, 1875. 8vo., 148 pp., and 7 plates.
- Twenty-eighth Annual Report on the New York State Museum of

- Natural History, by the Regents of the University. Albany, 1875. 8vo., 97 pp., 34 plates and map.
- Twenty-ninth Annual Report on the New York State Museum of Natural History, by the Regents of the University. Albany, 1878. 8vo., 82 pp., and 2 plates.
- Report on a Topographical Survey of the Adirondack Wilderness of New York; by Verplanck Colvin. Albany, 1873. 8vo., 43 pp., plate, and 2 maps.
- State of New York. Report on the Topographical Survey of the Adirondack Wilderness of New York; by Verplanck Colvin. Albany, 1874. 8vo., 306 pp., 10 plates, and 10 maps.

NORTH CAROLINA.

- Report on the Geology of North Carolina, conducted under the direction of the Board of Agriculture. Part I. By Denison Olmstead. November, 1824. 12 mo., 44 pp.
- Report on the Geology of North Carolina, under the direction of the Board of Agriculture. Part II. By Denison Olmstead. November, 1825. 12mo., 58 pp.
- *C. E. Rothe. Report on Mineralogy.
- *Dr. Mitchell. Report. 1826.
- *Dr. Mitchell. Report. 1827.
- Report of Professor Emmons on his Geological Survey of North Carolina. Raleigh, 1852. 12mo., 181 pp.
- Report of the Progress and Present State of the Geological and Agricultural Survey of North Carolina; by E. Emmons. Raleigh, 1855. 12mo., 20 pp.
- Geological Report of the Midland Counties of North Carolina; by Ebenezer Emmons. New York and Raleigh, 1856. 8vo., xx, and 351 pp., 9 plates and 8 maps and sections.
- Report of the North Carolina Geological Survey. Agriculture of the Eastern Counties, together with Descriptions of the Fossils of the Marl Beds. By Ebenezer Emmons. Raleigh, 1858. 8vo., xvi, and 314 pp.
- National Foundry—Deep River, N. C. Special Report of Dr. E. Emmons, Geologist to the State of North Carolina, concerning the advantages of the Valley of the Deep River as a site for the establishment of a national foundry. Raleigh, 1857. 8vo., 14 pp.
- Agriculture of North Carolina. Part II. Containing a Statement of the Principles of the Science upon which the Practice of Agri-

- culture as an Art is founded; by Ebenezer Emmons, State Geologist. Raleigh, 1860. 8vo., 112 pp.
- Geological and Natural History Survey of North Carolina. Part III., Botany; containing a Catalogue of the Plants of the State, with Descriptions and History of the Trees, Shrubs, and Woody Vines; by M. A. Curtis. Raleigh, 1860. 8vo., 124 pp. [Reprinted, 1867. 8vo., 158 pp.]
- The Swamp Lands of North Carolina; by Ebenezer Emmons, State Geologist. Raleigh, 1860. 8vo., 95 pp.
- Report of Progress of the Geological Survey of North Carolina; by W. C. Kerr. Raleigh, 1868. 8vo., 57 pp.
- Report of the State Geologist. Raleigh, 1869. 8vo., 57 pp. [W. C. Kerr.]
- Mineral Resources of North Carolina; by Frederick A. Genth. Read before the Franklin Institute, Nov. and Dec., 1871. Philadelphia, 1871. 8vo., 31 pp. [Published by the Geological Survey of North Carolina.]
- W. C. Kerr. Appendix to the Report of the Geological Survey of North Carolina, 1873, being a brief abstract of that report, and a general description of the State, geographical, geological, climatic, and agricultural. Raleigh, 1873. 8vo., 24 pp. and map.
- Report of the Geological Survey of North Carolina. Vol. I. Physical Geography, Résumé, Economical Geology; by W. C. Kerr. Raleigh, 1875. 8vo., xviii, 316 and 120 pp., 9 plates and map.
- XLIVth Congress. Senate Ex. Doc., No. 35. Letter from the Acting Sec'y of War, transmitting a Report of S. T. Abert on the Survey of a line to connect the Waters of the Cape Fear and Neuse Rivers, and for a connection between Norfolk Harbor and Cape Fear River. Washington, 1876. 8vo., 57 pp., and 4 maps. (Contains geology of the country surveyed.)
- Physiographical Description of North Carolina. 1879. By W. C. Kerr, State Geologist. Raleigh, 1879. 8vo., 28 pp., and map.

NOVA SCOTIA.†

- *J. W. Dawson. Report on the Coal Fields of Caribou Cove, etc. Halifax, 1846. Folio, 10 pp. (Legislative Doc.)
- *Joseph Howe and Henry How. Report on Discovery of Gold in Nova Scotia. Halifax, 1860. Folio, 4 pp. (Legislative Doc.)

† Since 1867 the Surveys of Nova Scotia have been included in the Geological Reports of Canada.

- *J. Howe. Report on Gold-Fields. Halifax, 1861. Folio, 7 pp. (Legislative Doc.)
- *Henry Poole. Report on Gold-Fields, Western Section. Halifax, 1862. Folio, 25 pp. (Legislative Doc.)
- *J. Campbell. Report on Gold-Fields, Eastern Section. Halifax, 1862. Folio, 8 pp. (Legislative Doc.)
- *J. Campbell. Report on Gold-Fields. Halifax, 1863. Folio, 12 pp. (Legislative Doc.)
- *David Honeyman. Report on Geological Survey of Nova Scotia and Cape Breton. Halifax, 1864. Folio, 7 pp. (Legislative Doc.)
- *H. How. Report on Minerals collected by D. Honeyman. Halifax, 1865. Folio, 4 pp. (Legislative Doc.)
- The Gold Region of Nova Scotia. Report of T. Sterry Hunt, addressed to Sir W. E. Logan. Ottawa, 1868. 8vo., 48 pp.
- The Mineralogy of Nova Scotia, a Report to the Provincial Government; by Henry How. Halifax, 1869. 8vo., vi and 217 pp.
- Report on the Waverly Gold District, with Geological Maps and Sections; by Henry Youle Hind. Halifax, 1869. 8vo., 62 pp., and map.
- Report on the Sherbrooke Gold District, together with a Paper on the Gneisses of Nova Scotia, and an Abstract of a Paper on Gold Mining in Nova Scotia; by Henry Youle Hind. Halifax, 1870. 8vo., 79 pp., and 4 maps.
- *Preliminary Report on the Gneissoid Series of Nova Scotia; by H. Y. Hind. Halifax, 1870. 8vo., 15 pp.
- The Coal Fields of Nova Scotia; by John Rutherford, Inspector of Mines. Reprinted from Trans. North of England Inst. of Mining Engineers. Newcastle-upon-Tyne, 1871. 8vo., 58 pp., and 4 maps. [Distributed by the Government, hence *quasi* official.]
- Report on the Mount Uniacke, Oldham, and Renfrew Gold Mining Districts, with Plans and Sections; by Henry Youle Hind. Halifax, 1872. 8vo., 136 pp., 3 maps and sections.
- Report on a Topographical Survey of Part of the Cumberland Coal Field, with Notices of the Coal Seams and their Relation to the Iron Deposits of the Cobequids; by Henry Youle Hind. Halifax, 1873. 8vo., 68 pp.

OHIO.

- Report of the Select Committee appointed on so much of the Governor's Message as relates to a Mineralogical and Geological Survey of the State of Ohio. Columbus, n. d. 8vo., 18 pp.

- Report of the Special Committee appointed by the last Legislature, to Report on the best Method of obtaining a complete Geological Survey of the State of Ohio. Columbus, 1836. 12mo., 18 pp., 2 plates.
- Report of John L. Riddell, one of the Special Committee appointed by the last Legislature to report on the Method of obtaining a Complete Geological Survey of this State. Columbus, 1837. 8vo., 34 pp.
- Report from the Geological Board in reply to a Resolution of the House of Representatives. House, March 16th, 1838. 8vo., 6 pp. [W. W. Mather.]
- First Annual Report on the Geological Survey of the State of Ohio; By W. W. Mather. Columbus, 1838. 8vo., 134 pp., and plate.
- Second Annual Report on the Geological Survey of the State of Ohio; by W. W. Mather. Columbus, 1838. 8vo., 286 pp., 7 plates, 7 sections and map.
- ✓ The Geological Survey of Ohio, its Progress in 1869. Report of an Address delivered to the Legislature of Ohio, Feb. 7th, 1870; by J. S. Newberry, Chief Geologist. New York, 1870. 8vo., 60 pp.
- Geological Survey of Ohio. Part I, Report of Progress in 1869; by J. S. Newberry, Chief Geologist. Part II, Report of Progress in the Second District; by E. B. Andrews, Asst. Geologist. Part III, Report on Geology of Montgomery County; by Edward Orton, Asst. Geologist. Columbus, 1870. 8vo., 164 pp., 4 sections, and 2 maps.
- Geological Survey of Ohio. Report of Progress in 1870; by J. S. Newberry, Chief Geologist. Including Reports by E. B. Andrews, Edward Orton, J. H. Klippart, T. G. Wormley, G. K. Gilbert, M. C. Read, Henry Newton, and W. B. Potter. Columbus, 1871. 8vo., 568 pp., 2 plates, and 5 sheets of sections.
- Report of Progress for 1871; by J. S. Newberry, Chief Geologist. Columbus, 1872. 8vo., 12 pp.
- Report of the Geological Survey of Ohio. J. S. Newberry, Chief Geologist. Vol. I, Geology and Palæontology. Part I, Geology. Columbus, 1873. 8vo., vi, and 680 pp., 18 maps and sections, and 5 sheets of sections. [Includes Reports by J. S. Newberry, E. B. Andrews, Edward Orton, M. C. Read, G. K. Gilbert, N. H. Winchell.]
- Report of the Geological Survey of Ohio. J. S. Newberry, Chief Geologist. Vol. I, Geology and Palæontology. Part II, Palæon-

- tology. Columbus, 1873. Roy. 8vo., xiii, and 399 pp., 49 plates, and 3 diagrams. [Reports by J. S. Newberry and F. B. Meek.]
- Report of the Geological Survey of Ohio. J. S. Newberry, Chief Geologist. Vol. II, Geology and Palæontology. Part I, Geology. Columbus, 1874. 8vo., xv, 701 pp., 24 sections, and map, plate, and 8 sheets of sections. [Includes Reports by J. S. Newberry, N. H. Winchell, E. B. Andrews, Edward Orton.]
- Report of the Geological Survey of Ohio. J. S. Newberry, Chief Geologist. Vol. II, Geology and Palæontology. Part II, Palæontology. Columbus, 1875. Roy. 8vo., viii, and 435 pp., 59 plates, and 2 sheets. [Includes Reports by J. S. Newberry, James Hall, R. P. Whitfield, H. Alleyne Nicholson, F. B. Meek, E. D. Cope, E. B. Andrews.]
- Report of the Geological Survey of Ohio. J. S. Newberry, Chief Geologist. Vol. III., Geology and Palæontology. Part I, Geology. Columbus, 1878. 8vo., viii and 958 pp., 10 maps and 13 sections. [Includes Reports by J. S. Newberry, E. B. Andrews, J. J. Stevenson, M. C. Read, A. W. Wheat, Edward Orton, John Hussey, F. C. Hill, A. C. Lindemuth, J. T. Hodge, H. Herzer.]
- Report of the Geological Survey of Ohio. J. S. Newberry, Chief Geologist. Vol. IV, Zoology and Botany. Columbus, 1879. 8vo., 900 pp., and plate. [Includes Reports by J. S. Newberry, A. W. Brayton, J. M. Wheaton, D. S. Jordan, W. H. Smith, R. M. Byrnes, H. C. Beardslee.]

OREGON.

- Preliminary Report of the State Geologist to the Legislative Assembly. Eighth Regular Session, 1874. Salem, 1874. 8vo., 22 pp. [Thomas Condon.]

PENNSYLVANIA.†

- J Report of a Committee of the House of Representatives, recommending an appropriation by the Legislature to make a Geological Survey of the State, under the direction of the Geological Society of Pennsylvania. Mr. Say, Chairman. Harrisburg, 1833. 8vo., 10 pp.
- ✓ Report of the Committee of the Senate of Pennsylvania upon the subject of the Coal Trade; S. J. Packer, Chairman. Harrisburg, 1834. 8vo., 126 pp., and map.

† Some reports which were printed in German are omitted in this catalogue.

Report to the Legislature of Pennsylvania, containing a Description of the Swatara Mining District; Henry K. Strong, Chairman. Harrisburg, 1839. 12mo., 61 pp., 8 plates, and map.

Report to the Legislature of the Committee on so much of the Governor's Message as relates to the Geological and Mineralogical Survey of the State; by Charles B. Trego. Harrisburg, 1836. 8vo., 12 pp.

Report of the Joint Committee of the Senate and House of Representatives of Pennsylvania on the Publication of the Geological Surveys. n.d. 8vo., 16 pp.

First Annual Report of the State Geologist. Harrisburg, 1836. 8vo., 22 pp. [H. D. Rogers.]

Second Annual Report on the Geological Exploration of the State of Pennsylvania; by Henry D. Rogers, State Geologist. Harrisburg, 1838. 8vo., 91 pp., and plate.

[Another edition has 93 pp.]

Third Annual Report on the Geological Survey of the State of Pennsylvania. Henry D. Rogers, State Geologist. Harrisburg, 1839. 8vo., 118 pp.

[Another edition has 119 pp.]

Fourth Annual Report on the Geological Survey of the State of Pennsylvania; by Henry D. Rogers, State Geologist. Harrisburg, 1840. 8vo., 252 pages.

[Another edition has 215 pp.]

Fifth Annual Report on the Geological Exploration of the Commonwealth of Pennsylvania; by Henry D. Rogers, State Geologist. Harrisburg, 1841. 8vo., 156 pp., and plate of sections.

[Another edition has 179 pp.]

Sixth Annual Report on the Geological Survey of Pennsylvania; by Henry D. Rogers, State Geologist. Harrisburg, 1842. 8vo., 28 pp.

Report of Richard Brodhead, Jr., of Northampton, a member of the Select Committee to which was referred that part of the Governor's Message relative to the Geological Survey of the State. Harrisburg, 1841. 8vo., 7 pp.

Report of the Select Committee of the Senate of Pennsylvania, in relation to the Progress of the State Geological Survey. Harrisburg, 1855. 8vo., 7 pp.

The Geology of Pennsylvania, a Government Survey. With a General view of the Geology of the United States, essays on the Coal Formation and its Fossils, and a Description of the Coal

Fields of North America and Great Britain; by Henry Darwin Rogers, State Geologist. Edinburgh and New York, 1868. 4to., Vol. I, 586 pp., 11 plates of sections, and 24 plates. Vol. II, 1045 pp., 7 plates of sections, 1 map, 23 plates of fossils, 22 plates of views; and 2 separate maps.

Second Geological Survey of Pennsylvania. Report of the State Geologist to the Governor for 1874. 8vo., A., xvii pp.

✓ Report of the Board of Commissioners of the Second Geological Survey of Pennsylvania for 1875. 8vo., 11 pp.

Report of the Board of Commissioners of the Second Geological Survey of Pennsylvania for 1876. 8vo., 10 pp., and map.

Report of the Board of Commissioners of the Second Geological Survey of Pennsylvania for 1878. 8vo., 4 pp., and map.

Second Geological Survey of Pennsylvania, 1874-5-6. Historical Sketch of Geological Explorations in Pennsylvania and other States; by J. P. Lesley; with an appendix, containing the annual reports of the State Geologist to the Board of Commissioners. Harrisburg, 1876. 8vo., 200, and xxvi pp.

Second Geological Survey of Pennsylvania, 1874. Preliminary Report on the Mineralogy of Pennsylvania; by F. A. Genth. With an appendix on the Hydrocarbon Compounds; by Samuel P. Sadtler. Harrisburg, 1875. 8vo., v, and 206 pp., and map.

Second Geological Survey of Pennsylvania, 1875. Second Preliminary Report on the Mineralogy of Pennsylvania; by F. A. Genth; with analyses of Mineral Spring Waters. Harrisburg, 1876. 8vo., ii and 32 pp.

Second Geological Survey of Pennsylvania, 1874. Report of Progress in the District of York and Adams Counties, illustrated by maps and cross-sections, showing the Iron-ore Belts and individual Mines; with Descriptions of the same, notes of a transit line to establish altitudes, and a Catalogue of Specimens collected and placed in the Museum at Harrisburg; by Persifer Frazer, Jr. Harrisburg, 1876. 8vo., viii and 198 pp., 5 sections, 3 maps, and 3 plates.

Second Geological Survey of Pennsylvania, 1875. Report of Progress in the Counties of York, Adams, Cumberland, and Franklin. Illustrated by 3 maps and 9 cross-sections, showing the Magnetic and Micaceous Ore Belt near the western edge of the Mesozoic Sandstone, and the two Azoic Systems constituting the Mass of the South Mountains. With a preliminary Discussion of

- the Dillsburg Ore Bed and a Catalogue of Specimens collected in 1875; by Persifor Frazer, Jr. Harrisburg, 1877. 8vo., 201, 400 pp., with 3 plates.
- Second Geological Survey of Pennsylvania, 1874. Report of Progress on the Brown Hematite Ore Ranges of Lehigh County; with a Description of the Mines lying between Emaus, Alburtis, and Fogelsville; by Frederick Prime, Jr. Harrisburg, 1875. 8vo., ix and 73 pp., and a map.
- Second Geological Survey of Pennsylvania. Report of Progress, 1875-6. The Brown Hematite Deposits of the Siluro-Cambrian Limestones of Lehigh County, lying between Shimersville, Millerstown, Schneeksville, Balliettsville, and the Lehigh River; by Frederick Prime, Jr., Assistant Geologist. Harrisburg, 1878. 8vo., xi and 99 pp., 5 map-sheets, and 5 plates.
- Second Geological Survey of Pennsylvania, 1875. Special Report on the Trap Dykes and Azoic Rocks of Southeastern Pennsylvania; by T. Sterry Hunt. Part I. Historical Introduction. Harrisburg, 1878. 8vo., xxi and 253 pp., and map.
- Second Geological Survey of Pennsylvania, 1874-75. Report of Progress in the Juniata District on the Fossil Iron-Ore Beds of Middle Pennsylvania; by John H. Dewees. With a Report of the Aughwick Valley and East Broad Top District; by C. A. Ashburner. Harrisburg, 1878. 8vo., xlix and 305 pp., 19 sections and 7 maps.
- Second Geological Survey of Pennsylvania, 1874-78. Report of Progress in Bradford and Tioga Counties. 1. Limits of the Catskill and Chemung Formations; by Andrew Sherwood. 2. Description of the Barelay, Blossburg, Fall Brook, Arnot, Antrim, and Gaines Coal-Fields, and at the Forks of Pine Creek, in Potter County; by Franklin Platt. 3. On the Coking of Bituminous Coal; by John Fulton. Harrisburg, 1878. 8vo., xii and 271 pp., 3 plates, and 2 maps.
- Second Geological Survey of Pennsylvania, 1874. Report of Progress in the Clearfield and Jefferson District of the Bituminous Coal-Fields of Western Pennsylvania; by Franklin Platt. Illustrated with 139 woodcuts, and 10 maps and sections. Harrisburg, 1875. 8vo., viii and 296 pp.
- Second Geological Survey of Pennsylvania, 1875. Report of Progress in the Cambria and Somerset District of the Bituminous Coal-Fields of Western Pennsylvania; by F. and W. G. Platt.

- Illustrated with 84 woodcuts and 4 maps and sections. Part I, Cambria. Harrisburg, 1877. 8vo., xxx and 194 pp.
- Second Geological Survey of Pennsylvania, 1876. Report of Progress in the Cambria and Somerset District of the Bituminous Coal-Fields of Western Pennsylvania; by F. and W. G. Platt. Illustrated with 110 woodcuts and 6 maps and sections. Part II, Somerset. Harrisburg, 1877. 8vo., xxxiv and 348 pp.
- Second Geological Survey of Pennsylvania, 1877. Report of Progress in Indiana County; by W. G. Platt. Harrisburg, 1878. 8vo., xxvi and 316 pp., plate and map.
- Second Geological Survey of Pennsylvania, 1874. Report of Progress in the Venango County District; by John F. Carll. Observations on the Geology around Warren; by F. A. Randall. Note on the Comparative Geology of Northeastern Ohio and Northwestern Pennsylvania, and Western New York; by J. P. Lesley. Harrisburg, 1875. 8vo., 127 pp., 2 maps and section.
- Second Geological Survey of Pennsylvania, 1876-7. Report of Progress, II. Oil Well Records and Levels; by John F. Carll. Published in advance of Progress, III. Harrisburg, 1877. 8vo., xiv, and 398 pp. and map.
- Second Geological Survey of Pennsylvania, 1874. Special Report on the Petroleum of Pennsylvania, its production, transportation, manufacture and statistics; by Henry E. Wrigley, with 5 maps and illustrations. To which are added a map and profile of a line of levels through Butler, Armstrong, and Clarion Counties; by D. Jones Lucas. Harrisburg, 1875. 8vo., viii, and 122 pp.
- Second Geological Survey of Pennsylvania, 1875. Report of Progress in the Greene and Washington District, of the Bituminous Coal-Fields of Western Pennsylvania; by J. J. Stevenson. Illustrated with 3 sections and 2 county maps, showing the calculated local depths of the Pittsburgh and Waynesburg Coal Beds beneath the surface. Harrisburg, 1876. 8vo., x, and 419 pp.
- Second Geological Survey of Pennsylvania, 1876. Report of Progress in the Fayette and Westmoreland District of the Bituminous Coal-Fields of Western Pennsylvania; by J. J. Stevenson. Part I, Eastern Allegheny County, and Fayette and Westmoreland Counties, west from Chestnut Ridge. Illustrated with 50 woodcuts and 3 county maps, colored. Harrisburg, 1877. 8vo., viii, and 437 pp.
- Second Geological Survey of Pennsylvania, 1877. Report of Progress in the Fayette and Westmoreland District of the Bituminous

- Coal-Fields of Western Pennsylvania; by J. J. Stevenson. Part II, The Ligonier Valley. Harrisburg, 1878. 8vo., x, and 331 pp., 2 plates and 3 maps.
- Second Geological Survey of Pennsylvania, 1875. Special Report on the Coke Manufacture of the Youghiogheny River Valley, in Fayette and Westmoreland Counties. With Geological Notes of the Coal and Iron-Ore beds, from surveys by Charles A. Young; by Franklin Platt. To which are appended: I. A Report on Methods of Coking; by John Fulton. II. A Report on the use of Natural Gas in the Iron Manufacture; by John B. Pearce and Franklin Platt. Harrisburg, 1876. 8vo., 252 pp., 2 maps, and 15 plates.
- Second Geological Survey of Pennsylvania, 1874-5. Report of Progress in the Laboratory of the Survey at Harrisburg; by Andrew S. McCreath. Harrisburg, 1875. 8vo., 105 pp.
- Second Geological Survey of Pennsylvania, 1875-6-7. Report of Progress N. Two Hundred Tables of Elevation above Tide-level, of the railroad stations, summits, and tunnels; canal locks and dams, river ripples, etc., in and around Pennsylvania; by Charles Allen. Harrisburg, 1878. 8vo., xxiv, and 279 pp., and 2 maps.
- Second Geological Survey of Pennsylvania, 1874-5-6-7. Catalogue of the Geological Museum; by Charles E. Hall. Part I, Collections of Rock Specimens, Nos. 1 to 4264. Harrisburg, 1878. 8vo., 217 pp., and map.
- Geological Survey of Pennsylvania, 1875. Report of Progress in the Beaver River District of the Bituminous Coal-Fields of Western Pennsylvania; by I. C. White. Harrisburg, 1878. 8vo., li, and 337 pp., 21 plates and 4 maps.

RHODE ISLAND.

- Report on the Geological and Agricultural Survey of Rhode Island; by Charles T. Jackson. Providence, 1840. 8vo., 312 pp., map and section.
- State of Rhode Island, etc., Memorial of Prof. Ridgeway, Geologist and Mining Engineer, in relation to the Coal Field of Rhode Island. Presented to the General Assembly at its January Session, 1868. Providence, 1867. 8vo., 9 pp.
- [Reprinted, 1870. 8vo., 12 pp.]
- Report of a Commission to prepare a Plan for a thorough Geological and Scientific Survey of the State. Presented to the General

Assembly at its January Session, A.D. 1876. Providence, 1876. 8vo., 13 pp.

ROCKY MOUNTAIN REGION.

Message from the President of the United States communicating Discoveries made in exploring the Missouri, Red River, and Washita; by Captains Lewis and Clark, Dr. Sibley and Mr. Dunbar, with a Statistical Account of the country adjacent. Washington, 1806. 8vo., 178 pp., and folding title.

History of the Expedition under the Command of Captains Lewis and Clark to the Sources of the Missouri, thence across the Rocky Mountains and down the River Columbia. Performed during the years 1804-5-6. Philadelphia, 1814. 8vo., Vol. I, xxviii and 470 pp., maps. Vol. II, ix and 522 pp., maps.

Account of an Expedition from Pittsburgh to the Rocky Mountains. Performed in the years 1819-20, under the Command of Maj. Stephen H. Long; compiled by Edward James. Philadelphia, 1823. 8vo., Vol. I, 5 and 503 pp; Vol. II, 442 and xeviii pp., and atlas of 11 sheets.

*[Reprinted in London, 8vo., 3 vols., in 1823.]

Narrative of an Expedition to the Sources of St. Peter's River, Lake Winnipeck, Lake of the Woods, etc., under the Command of Stephen H. Long, Maj. U. S. A.; by William H. Keating. Philadelphia, 1824. Vol. I, xii and 439 pp. Vol. II, vi and 459 pp. With 15 plates and map in the two volumes.

[Reprinted, London, 1825. 2 vols.]

Report intended to illustrate a Map of the Hydrographical Basin of the Upper Mississippi River; by I. N. Nicollet. Washington, 1843. 8vo., 170 pp.

XXVIIth Congress, 3d Session. Senate Ex. Doc. No. 243. An Exploration of the country lying between the Missouri River and the Rocky Mountains, on the Line of the Kansas and Great Platte Rivers; by J. C. Fremont. Washington, 1843. 8vo., — pp., and map.

Report of the Exploring Expedition to the Rocky Mountains in 1842, and to Oregon and North California in the years 1843-44; by Capt. J. C. Fremont, U.S. A. Washington, 1845. 8vo., 693 pp., 24 plates and 3 maps.

Notes of a Military Reconnoissance from Fort Leavenworth in Missouri, to San Diego in California, including parts of the Arkansas, Del Norte, and Gila Rivers; by Maj. W. H. Emory, U. S. A.

Made in 1846-7. Washington, 1848. 8vo., 416 pp., 41 plates and map.

Report of the Secretary of War communicating, in answer to a Resolution of the Senate, a Report and Map of the Examination of New Mexico, made by Lieut. J. W. Abert, U. S. A. Washington, 1848. 8vo., 132 pp., 24 plates and map.

Report of Lieut.-Col. P. St. George Cooke, of his March from Santa Fé, New Mexico, to San Diego, Upper California. Washington, 1848. 8vo., 13 pp., and map.

Journal of Captain A. R. Johnson, U. S. A. [Expedition from Santa Fé to San Diego.] Washington, 1848. 8vo., 48 pp.

[The last four are often found bound in one volume.]

Memoir of a Tour to Northern Mexico, connected with Col. Doniphan's Expedition in 1846-47; by A. Wislizenus. Washington, 1848. 8vo., 141 pp., section and 2 maps.

XXXIst Congress, 1st Session. Senate Ex. Doc. No. 64. Reports of the Secretary of War, with Reconnoissances of Routes, from San Antonio to El Paso, by Lieut.-Col. J. E. Johnston, Lieuts. W. F. Smith, F. T. Bryan, N. H. Michler, and Captain S. G. French, U. S. A. Also, the Report of Capt. R. B. Marey's Route from Fort Smith to Santa Fé, and the Report of Lieut. J. H. Simpson, U. S. A., of an Expedition into the Navajo Country, and the Report of Lieut. W. H. C. Whiting's Reconnoissance of the Western Frontier of Texas. Washington, 1850. 8vo., 250 pp., 2 maps and 75 plates.

[Several of these Reports were printed separately.]

XXXIst Congress, 1st Session. Senate Ex. Doc. No. 12. Report of the Secretary of War communicating the Report and Map of Route from Fort Smith, Arkansas, to Santa Fé, New Mexico; made by Lieut. Simpson. Washington, 1850. 8vo., 25 pp., and 4 maps.

Exploration and Survey of the Valley of the Great Salt Lake of Utah, including a Reconnoissance of a New Route through the Rocky Mountains; by Capt. Howard Stansbury, U. S. A. Washington, 1853. 8vo., 495 pp., 58 plates and atlas of 2 maps.

Report of an Expedition down the Zuni and Colorado Rivers; by Capt. L. Sitgreaves, U. S. A. Washington, 1854. 8vo., 198 pp., 79 plates and map.

*Explorations in the Dakota Country in the year 1853; by Lieut. G. K. Warren. Washington, 1855. 8vo., 79 pp., and maps.

XXXIVth Congress, 1st Session. Senate Ex. Doc. No. 76. Ex-

plorations in the Dakota Country in the year 1855; by Lieut. G. K. Warren. Washington, 1856. 8vo., 79 and 6 pp., plates, and 3 maps.

*Captain Wallen's Wagon Road Report.

Report on the United States and Mexican Boundary Survey; by Maj. William H. Emory, U. S. A. Vol. I. Washington, 1857. 4to., xvi, 258, xviii, and 174 pp., 77 plates, section and map.

Report on the United States and Mexican Boundary Survey; by Maj. William H. Emory, U. S. A. Vol. II. Washington, 1859. 4to., 270, 78, 62, 32, 35, 84, ii pp., and 272 plates.

XXXIVth Congress, Senate Ex. Doc., No. 60. Report of an Expedition to the Sources of the Brazos and Big Wichita Rivers, during the Summer of 1854; by Capt. R. B. Marcy, U. S. A. Washington, 1856. 8vo., 48 pp., and map.

XXXIVth Congress, 1st Session. Ex. Doc., H. R., No. 129. Report of the Secretary of War communicating the several Pacific Railroad Explorations. Washington, 1855. 8vo. Vol. I, 42, 117, 4, xii, 599, xv, pp.

Vol. II, 149, 136, 154, vi, ii, 324 pp.

*Vol. III.

Vol. IV, 14 maps.

Preliminary Report of Explorations in Nebraska and Dakota in the years 1855-56-57; by Lieut. G. K. Warren, U. S. A. Washington, 1858. 8vo., 131 pp., and map. [Reprinted, Washington, 1875. 8vo., 125 pp., and map.]

XXXIVth Congress. H. of R. Doc. No. 129. Report of the Secretary of War on the several Pacific Railroad Explorations. Washington, 1855. 8vo., 43 pp.

Reports of Explorations and Surveys to ascertain the most Practicable and Economical Route for a Railroad from the Mississippi River to the Pacific Ocean, made in 1853-4. Vol. I. Washington, 1855. 4to., viii, and 651 pp.

Reports of Explorations and Surveys to ascertain the most Practicable and Economical Route for a Railroad, from the Mississippi River to the Pacific Ocean, made in 1853-55. Supplement to Vol. I. Washington, 1859. 4to., 333, viii, 72, 399, and 28 pp., and 123 plates. [Also published under the title: Supplementary Report of Explorations for a Route for the Pacific Railroad near the 47th and 49th Parallels of North Latitude, from St. Paul to Puget's Sound; by I. I. Stevens.]

Reports of Explorations and Surveys to ascertain the most Practi-

cable and Economical Route for a Railroad from the Mississippi River to the Pacific Ocean, made in 1853-4. Vol. II. Washington, 1855. 4to., 128, 132, 45, iv, 185, 50, 28, and 22 pp., 37 plates and map.

Reports of Explorations and Surveys to ascertain the most Practicable and Economical Route for a Railroad from the Mississippi River to the Pacific Ocean, made in 1853-4. Vol. III. Washington, 1856. 4to., 36, x, 36, 77, 127, vii, 175 pp., 30 plates, section and 2 maps.

Reports of Explorations and Surveys to ascertain the most Practicable and Economical Route for a Railroad from the Mississippi River to the Pacific Ocean, made in 1853-4. Vol. IV. Washington, 1856. 4to., vii, 193, 17, 288, iv, pp., and 59 plates.

Reports of Explorations and Surveys to ascertain the most Practicable and Economical Route for a Railroad from the Mississippi River to the Pacific Ocean, made in 1853-4. Vol. V. Washington, 1856. 4to., 43, xvi, 370, xiii, 15, 14, pp., 65 plates, 5 sections and 3 maps.

Reports of Explorations and Surveys to ascertain the most Practicable and Economical Route for a Railroad from the Mississippi River to the Pacific Ocean, made in 1854-5. Vol. VI. Washington, 1857. 4to., 134, 85, 102, 114, iv, 64 pp., and 50 plates.

[The Geological Portion reprinted under the title "Reports on the Geology, Botany, and Zoology of Northern California and Oregon;" made to the War Department, by John S. Newberry. Washington, 1857. 4to., 300 pp., 48 plates.]

Reports of Explorations and Surveys to ascertain the most Practicable and Economical Route for a Railroad from the Mississippi River to the Pacific Ocean, made in 1853-6. Vol. VII. Washington, 1857. 4to., 22, 42, 204, 28, 116, 37 pp., 39 plates and map.

Reports of Explorations and Surveys to ascertain the most Practicable and Economical Route for a Railroad from the Mississippi River to the Pacific Ocean, made in 1853-6. Vol. VIII. Washington, 1857. 4to., lviii, and 757 pp., and 43 plates.

Reports of Explorations and Surveys to ascertain the most Practicable and Economical Route for a Railroad from the Mississippi River to the Pacific Ocean, made in 1853-6. Vol. IX. Washington, 1858. 4to., lvi, and 1005 pp.

Reports of Explorations and Surveys to ascertain the most Practicable and Economical Route for a Railroad from the Mississippi River

- to the Pacific Ocean, made in 1853-6. Vol. X. Washington 1859. 4to., 16, xiv, 400, 27, 64, 20, 97, 13 pp., and 121 plates.
- Reports of Explorations and Surveys to ascertain the most Practicable and Economical Route for a Railroad from the Mississippi River to the Pacific Ocean, made in 1853-6. Vol. XI. Washington, 1855. 4to., 120, and iv, pp., 17 plates and 32 maps.
- Reports of Explorations and Surveys to ascertain the most Practicable and Economical Route for a Railroad from the Mississippi River to the Pacific Ocean, made in 1853-5. Vol. XII, Part I. Washington, 1860. 4to., 358 and 41 pp., 69 plates and 3 maps.
- Reports of Explorations and Surveys to ascertain the most Practicable and Economical Route for a Railroad from the Mississippi River to the Pacific Ocean, made in 1853-5. Vol. XII, Part II. Washington, 1860. 4to., 76, viii, 399 pp., and 53 plates.
- *Colorado Exploring Expedition. Preliminary Report of Lieut. J. C. Ives, U. S. A. Washington, 1858. 8vo., 12 pp.
- Report upon the Colorado River of the West, explored in 1857-58; by Lieut. Joseph C. Ives, U. S. A. Washington, 1861. 4to., 131 14, 154, 30, 6, 32 pp., 31 plates, section, and 2 maps.
- XXXVth Congress, 1st Session. Ex. Doc., No. 11. Vol. II. Report of Secretary of War contains F. T. Bryan's Report on Road from Fort Riley to Bridger Pass. Washington, 1858. 8vo., pp. 455 to 520.
- XXXVth Congress, 2d Session. Senate Ex. Doc., No. 40. Report of the Secretary of War, communicating, in compliance with a Resolution of the Senate, Capt. Simpson's Report and Map of Wagon Road Routes in Utah Territory. Washington, 1859. 8vo., 84 pp., and map.
- XXXVth Congress, 2d Session. Ex. Doc., H. of R. Vol. II., Part 2. Pp. 590-608 contains Reports of Capt. John Pope, U. S. A., to Capt. A. A. Humphreys, in charge of the Office of Explorations and Surveys, on "Artesian Wells Experiments."
- XLIIIrd Congress. 1st Session. House of Representatives, Ex. Doc. No. 240. Geographical and Geological Surveys West of the Mississippi. Message from the President of the U. S., transmitting a Report from the Secretary of War relative to Geographical and Geological Surveys West of the Mississippi. Washington, 1874. 8vo., 15 pp.
- XLIIIrd Congress. 1st Session. House of Representatives, Report, No. 612. Report on the Geographical and Geological Surveys West of the Mississippi. Washington, 1874. 8vo., 91 pp.

Engineer Department, U. S. Army. Report of Explorations across the Great Basin of the Territory of Utah for a Direct Wagon Route from Camp Floyd to Genoa, in Carson Valley, in 1859, by Capt. J. H. Simpson. Washington, 1876. 4to., 518 pp., 22 plates, section, and 2 maps.

Engineer Department, U. S. Army. Report of the Exploring Expedition from Santa Fé to the Junction of the Grand and Green Rivers, in 1859, under command of Capt. J. N. Macomb, U. S. A.; with Geological Report; by J. S. Newberry. Washington, 1876. 4to., 152 pp., 22 plates and map.

Report on the Exploration of the Yellowstone River; by Bvt. Brig.-Gen. W. F. Reynolds. Washington, 1868. 8vo., 174 pp. and map.

Geological Report of the Exploration of the Yellowstone and Missouri Rivers, by F. V. Hayden, under the direction of Capt. W. F. Reynolds, 1859-60. Washington, 1869. 8vo., ix, 174 pp. and map.

On the Geology and Natural History of the Upper Missouri; being the substance of a report made to Lieut. G. K. Warren, U. S. A.; by F. V. Hayden. Philadelphia, 1862. 4to., 218 pp. and map.

Report on the Construction of a Military Road from Fort Walla-Walla to Fort Benton; by Capt. John Mullan, U. S. A. Washington, 1863. 8vo., 363 pp., 7 plates and 4 maps.

XXXVIIIth Congress, 1st Session. Senate. North Overland Expedition for Protection of Emigrants, from St. Cloud, Minnesota, via Forts Abercrombie and Benton, to the Rocky Mountains, Idaho, etc., 1863; by Capt. James L. Fisk, U. S. A. Accompanied by letter of the Secretary of War. Washington, 1864. 8vo., 38 pp.

Smithsonian Contributions to Knowledge. Paleontology of the Upper Missouri; a report upon collections made principally by the Expeditions under Lieut. G. K. Warren, U. S. A. in 1855-6. Invertebrates, by F. B. Meek and F. V. Hayden. Part I. Washington, 1865. 4to., ix, and 135 pp. and 5 plates.

Report of a Reconnoissance of the Basin of the Upper Yellowstone, in 1871; by Capt. J. W. Barlow and Capt. D. P. Heap, U. S. A. Washington, 1872. 8vo., 43 pp. and map.

Report of Clarence King, Geologist, in charge of the Geological Exploration of the 40th Parallel, in Annual Report of the Chief of Engineers, to the Secretary of War, for the year 1871. Pp. 1027-29. Appendix Z. Washington, 1871. 8vo.

Report of Clarence King, Geologist, in charge of the Geological

Exploration of the 40th Parallel, from Sierra Nevada to the Eastern Slope of the Rocky Mountains, in the annual Report of the Chief of Engineers, to the Secretary of War, for 1873. Pp. 1203-10. Appendix DD. Washington, 1873. 8vo.

Annual Report of Clarence King, Geologist, for the fiscal year ending June 30th, 1874, in the annual Report of the Chief of Engineers, to the Secretary of War, for 1874. Part II. Pp. 477-480. Appendix EE. Washington, 1874. 8vo.

Annual Report of Clarence King, Geologist, for the fiscal year ending June 30th, 1875, in the annual Report of the Chief of Engineers, to the Secretary of War, for 1875. Part II. Pp. 919, 920. Appendix KK. Washington, 1875. 8vo.

Annual Report of Clarence King, Geologist, for the fiscal year ending June 30th, 1876, in the annual Report of the Chief of Engineers, to the Secretary of War, for 1876. Part III. Pp. 217-18. Appendix II. Washington, 1876. 8vo.

Annual Report of Clarence King, Geologist, for the fiscal year ending June 30th, 1877, in the annual Report of the Chief of Engineers, to the Secretary of War, for 1877. Part II. Appendix MM. Pp. 1206. Washington, 1877. 8vo.

[These Reports are also issued separately.]

United States Geological Exploration of the 40th Parallel, Clarence King, Geologist-in-charge. Vol. I. Systematic Geology; by Clarence King, U. S. Geologist. Washington, 1878. 4to., x, and 803 pp., 27 plates, section, 12 maps and atlas of 10 sheets.

United States Geological Exploration of the 40th Parallel, Clarence King, Geologist-in-charge. Vol. II. Descriptive Geology; by Arnold Hague and S. F. Emmons. Washington, 1877. 4to., x, and 890 pp. and 26 plates.

United States Geological Exploration of the 40th Parallel, Clarence King, Geologist-in-charge. Vol. III. Mining Industry, by James D. Hague, with Geological Contributions by Clarence King. Washington, 1870. 4to. xii, and 647 pp., 38 plates and Atlas of 14 sheets.

United States Geological Exploration of the 40th Parallel, Clarence King, Geologist-in-charge. Vol. IV. Part I. Paleontology, by F. B. Meek. Part II. Paleontology, by James Hall and R. P. Whitfield. Part III. Ornithology, by Robert Ridgeway. Washington, 1877. 4to., 669 pp. and 24 plates.

United States Geological Exploration of the 40th Parallel, Clarence

King, Geologist-in-charge. Vol. V. Botany, by Sereno Watson. Washington, 1871. 4to., liii, and 525 pp., 40 plates and map.

United States Geological Exploration of the 40th Parallel, Clarence King, Geologist-in-charge. Vol. VI. Microscopical Petrography, by Ferdinand Zirkel. Washington, 1876. 4to., xii, and 297 pp. and 12 plates.

4. Report of the Commissioner of General Land Office for the year 1867. Washington, 1867. 8vo., pp. 128-181, contain First Annual Report of the United States Geological Survey of the Territories, embracing Nebraska; by F. V. Hayden, U. S. Geologist.

5. Report of the Commissioner of General Land Office for the year 1868. Washington, 1868. 8vo., pp. 220-255, contain "Report of F. V. Hayden on the Geography of the Missouri Valley."

Preliminary Field Report of the United States Geological Survey of Colorado and New Mexico; by F. V. Hayden, U. S. Geologist. Washington, 1869. 8vo., 155 pp.

[The last three Reports are reprinted under the title: "First, Second, and Third Annual Reports of the United States Geological Surveys of the Territories, for the years 1867, 1868, and 1869, under the Department of the Interior." Washington, 1873. 8vo., 261 pp.]

6. Preliminary Report of the United States Geological Survey of Wyoming and portions of contiguous Territories; being a Second Annual Report of Progress; by F. V. Hayden, U. S. Geologist. Washington, 1871. 8vo., 511 pp.

Preliminary Report of the United States Geological Survey of Montana and portions of adjacent Territories; being a Fifth Annual Report of Progress; by F. V. Hayden, U. S. Geologist. Washington, 1872. 8vo., vi, and 538 pp., 2 plates and 5 maps.

7. Supplement to the Fifth Annual Report of the United States Geological Survey of the Territories for 1871. F. V. Hayden, U. S. Geologist-in-charge. Report on Fossil Flora; by Leo Lesquereux. Washington, 1872. 8vo., 22 pp.

Sixth Annual Report of the United States Geological Survey of the Territories, embracing portions of Montana, Idaho, Wyoming, and Utah; being a Report of Progress of the Explorations for the year 1872; by F. V. Hayden, U. S. Geologist. Washington, 1873. 8vo., xi and 844 pp., 3 diagrams, 12 plates and 5 maps.

8. Annual Report of the United States Geological and Geographical Survey of the Territories, embracing Colorado; being a Report of

Progress of the Exploration for the year 1873; by F. V. Hayden, U. S. Geologist. Washington, 1874. 8vo., xii and 718 pp., and 120 plates, sections and maps.

Annual Report of the United States Geological and Geographical Survey of the Territories, embracing Colorado and parts of adjacent Territories; being a Report of Progress of the Exploration for the year 1874; by F. V. Hayden, U. S. Geologist. Washington, 1876. 8vo., ix and 515 pp., and 88 plates, sections and maps. ✓

Ninth Annual Report of the United States Geological and Geographical Survey of the Territories, embracing Colorado and parts of adjacent Territories; being a Report of Progress of the Exploration for the year 1875; by F. V. Hayden, U. S. Geologist. Washington, 1877. 8vo., vii and 827 pp., and 77 plates, sections and maps. ✓

Tenth Annual Report of the United States Geological and Geographical Survey of the Territories, embracing Colorado and parts of adjacent Territories; being a Report of Progress of the Explorations for the year 1876; by F. V. Hayden, U. S. Geologist. Washington, 1878. 8vo., xxix and 546 pp., 79 plates and 3 maps. ✓

Final Report of the United States Geological Survey of Nebraska and portions of the adjacent Territories; by F. V. Hayden, U. S. Geologist. Washington, 1872. 8vo., 264 pp., 11 plates and map.

Lists of Elevations and Distances in that portion of the United States west of the Mississippi River; by Cyrus Thomas, Ass't, U. S. Geological Survey. Washington, 1872. 12mo., 31 pp.

Department of the Interior. U. S. Geological Survey of the Territories, F. V. Hayden, U. S. Geologist-in-charge. Miscellaneous Publications, No. 1. List of Elevations in that portion of the United States west of the Mississippi River; by Henry Gannett, Assistant. Washington, 1873. 8vo., 47 pp.

[Same title. Third Edition. Washington, 1875. 8vo., 72, ii pp.]

[Same title. Fourth Edition. Washington, 1877. 8vo., x, 167 pp. and map.]

Department of the Interior. U. S. Geological Survey of the Territories. F. V. Hayden, U. S. Geologist-in-charge. Miscellaneous Publications, No. 2. Meteorological Observations during the year 1872, in Utah, Idaho, and Montana; by Henry Gannett, Assistant. Washington, 1873. 8vo., 120 pp.

Department of the Interior. U. S. Geological Survey of the Territories. F. V. Hayden, U. S. Geologist-in-charge. Miscellaneous Publications, No. 3. Birds of the Northwest, a Handbook of

the Ornithology of the Region drained by the Missouri River and its Tributaries; by Elliott Coues, Ass't Surgeon, U. S. A. Washington, 1874. 8vo., xi and 791 pp.

Department of the Interior. U. S. Geological and Geographical Survey of the Territories. F. V. Hayden, U. S. Geologist-in-charge. Miscellaneous Publications, No. 4. Synopsis of the Flora of Colorado; by Thomas C. Porter and John M. Coulter. Washington, 1874. 8vo., 180 pp.

Department of the Interior. U. S. Geological and Geographical Survey of the Territories. F. V. Hayden, U. S. Geologist-in-charge. Miscellaneous Publications, No. 5. Descriptive Catalogue of the Photographs of the United States Geological Survey of the Territories, for the years 1869 to 1873 inclusive. W. H. Jackson, Photographer. Washington, 1874. 8vo., 83 pp.

[Same title, "to 1875 inclusive." Second edition. Washington, 1875. 8vo., 81 pp., 14 plates.]

✓ Catalogue of the Photographs of the United States Geological and Geographical Survey of the Territories; by W. H. Jackson, Photographer. Washington, 1875. 18mo., 51 pp.

Department of the Interior. U. S. Geological and Geographical Survey of the Territories. F. V. Hayden, U. S. Geologist-in-charge. Miscellaneous Publications, No. 6. Meteorological Observations made during the year 1873 and part of 1874 in Colorado and Montana Territories; by George B. Chittenden. Washington, 1874. 8vo., 57 pp.

Department of the Interior. U. S. Geological and Geographical Survey of the Territories. F. V. Hayden, U. S. Geologist-in-charge. Miscellaneous Publications, No. 7. Ethnography and Philology of the Hidatsa Indians; by Washington Mathews. Washington, 1877. 8vo., vi and 239 pp.

Department of the Interior. U. S. Geological and Geographical Survey of the Territories. F. V. Hayden, U. S. Geologist. Miscellaneous Publication, No. 8. Fur-bearing Animals: a Monograph of North American Mustelidae; by Elliott Coues, Ass't Surgeon, U. S. A. Washington, 1877. 8vo., xiv and 346 pp., and 20 plates.

Department of the Interior. U. S. Geological Survey of the Territories, F. V. Hayden, U. S. Geologist. Miscellaneous Publications, No. 9. Descriptive Catalogue of Photographs of North American Indians; by W. H. Jackson, Photographer. Washington, 1877. 8vo., vi and 124 pp.

- Department of the Interior. U. S. Geological Survey of the Territories. F. V. Hayden, U. S. Geologist. Miscellaneous Publications, No. 10. Bibliography of North American Invertebrate Paleontology, being a Report upon the Publications that have hitherto been made upon the Invertebrate Paleontology of North America, including the West Indies and Greenland; by C. A. White, Paleontologist, and H. Alleyne Nicholson. Washington, 1878. 8vo., 132 pp.
- Department of the Interior. U. S. Geological Survey of the Territories. F. V. Hayden, U. S. Geologist. Miscellaneous Publications, No. 11. Birds of the Colorado Valley: A Repository of Scientific and Popular Information concerning North American Ornithology. By Elliott Coues. Part I, Passeres to Laniidae. Washington, 1878. 8vo., xvi, 807 pp.
- Department of the Interior. U. S. Geological Survey of the Territories. F. V. Hayden, U. S. Geologist-in-charge. Synopsis of new Vertebrata from the Tertiary of Colorado, obtained during the summer of 1873; by E. D. Cope. Washington, 1873. 8vo., 19 pp.
- Department of the Interior. Catalogue of the Publications of the United States Geological Survey of the Territories. F. V. Hayden, Geologist-in-charge. Washington, 1874. 8vo., 20 pp.
- [Same title. Second edition, revised to December 31st, 1876. Washington, 1877. 8vo., 38 pp.]
- [Same title. Third edition, revised to December 31st, 1878. Washington, 1879. 8vo., 54 pp.]
- Department of the Interior. U. S. Geological and Geographical Survey of the Territories. F. V. Hayden, U. S. Geologist-in-charge. The Grotto Geyser of the Yellowstone National Park. Washington, 1876. Folio, 3 pp., Albert-type and map. [Only 210 copies issued.]
- Department of the Interior. Bulletin of the United States Geological and Geographical Survey of the Territories. F. V. Hayden, U. S. Geologist-in-charge.

I Series, No. 1,	Washington, 1874.	8vo.,	28 pp.
" " " 2,	" " "	" "	77 pp.
II " " 1,	" 1875.	" "	47 pp., 3 plates.
" " " 2,	" " "	" "	92 pp.
" " " 3,	" " "	" "	67 pp., 4 plates and 2 maps.
" " " 4,	" " "	" "	17 pp., and 10 plates.
" " " 5,	" 1876.	" "	182 pp., and 3 plates.
" " " 6,	" " "	" "	83 and xiii pp., and 5 plates.

Vol. II.	No. 1,	Washington, 1876.	8vo.,	87 pp., 29 plates and map.
"	"	"	"	106 pp., and 2 plates.
"	"	"	"	81 pp., 10 plates and map.
"	"	"	"	114 and xii pp., and 14 plates.
"	"	"	"	185 pp., and 26 plates.
Vol. III.	"	1, " 1877.	"	340 pp., and 2 plates.
"	"	"	"	207 pp., 11 plates and map.
"	"	"	"	116 and viii pp.
"	"	"	"	311 pp.
Vol. IV.	"	1, " 1878.	"	231 pp.
"	"	"	"	204 pp.
"	"	"	"	162 and vi pp.
"	"	"	"	152 pp.
Vol. V.	"	1, " 1879.	"	

Department of the Interior. U. S. Geological Survey of the Territories. F. V. Hayden, U. S. Geologist-in-charge. Profiles, Sections, and other Illustrations designed to accompany the Final Report of the Chief Geologist of the Survey, and sketched under his directions; by Henry W. Elliott. New York, 1872. 4to., 65 plates. [Only 100 copies were published.]

Department of the Interior. Report of the U. S. Geological Survey of the Territories. F. V. Hayden, U. S. Geologist-in-charge. Vol. I, Part I. Contributions to the Extinct Vertebrate Fauna of the Western Territories; by Joseph Leidy. Washington, 1873. 4to., 358 pp. and 37 plates.

Department of the Interior. Report of the U. S. Geological Survey of the Territories. F. V. Hayden, U. S. Geologist-in-charge. Vol. II. The Vertebrata of the Cretaceous Formations of the West; by E. D. Cope. Washington, 1875. 4to., iv and 302 pp. and 57 plates.

Department of the Interior. Report of the U. S. Geological Survey of the Territories. F. V. Hayden, U. S. Geologist-in-charge. Vol. V, Part I. Synopsis of the Acrididae of North America; by Cyrus Thomas. Washington, 1873. 4to., x and 262 pp. and plate.

Department of the Interior. Report of the U. S. Geological Survey of the Territories. F. V. Hayden, U. S. Geologist-in-charge. Vol. VI. Contributions to the Fossil Flora of the Western Territories. Part I. The Cretaceous Flora; by Leo Lesquereux. Washington, 1874. 4to., 136 pp. and 30 plates.

Department of the Interior. Report of the U. S. Geological Survey of the Territories. F. V. Hayden, U. S. Geologist-in-charge. Vol. VII. Contributions to the Fossil Flora of the Western

- Territories. Part II. The Tertiary Flora; by Leo Lesqueux. Washington, 1878. 4to., xv and 366 pp. and 65 plates.
- Department of the Interior. Report of the U. S. Geological Survey of the Territories. F. V. Hayden, U. S. Geologist-in-charge. Vol. IX. A Report on the Invertebrate, Cretaceous and Tertiary Fossils of the Upper Missouri Country; by F. B. Meek. Washington, 1876. 4to., lxiv and 629 pp., and 45 plates.
- Department of the Interior. Report of the U. S. Geological Survey of the Territories. F. V. Hayden, U. S. Geologist-in-charge. Vol. X. A Monograph of the Geometrid Moths or Phalaenidae of the United States; by A. S. Packard, Jr. Washington, 1876. 4to., iv, and 607 pp., and 13 plates.
- Department of the Interior. Report of the U. S. Geological Survey of the Territories. F. V. Hayden, U. S. Geologist-in-charge. Vol. XI. Monographs of North American Rodentia; by Capt. Elliott Coues, U. S. A., and Joel Asaph Allen. Washington, 1877. 4to., xii, x, 1091 pp., and 6 plates.
- Department of the Interior. U. S. Geological and Geographical Survey of the Territories. F. V. Hayden, U. S. Geologist-in-charge. Illustrations of Cretaceous and Tertiary Plants of the Western Territories of the United States. Washington, 1878. 4to., 28 pp. and 26 plates.
- Department of the Interior. Preliminary Report of the Field-work of the U. S. Geological and Geographical Survey of the Territories for the season 1877. Washington, 1877. 8vo., 35 pp.
- Department of the Interior. Preliminary Report of the U. S. Geological and Geographical Survey of the Territories for the season of 1878; by F. V. Hayden. Washington, 1878. 8vo., 29 pp.

Maps of the United States Geological Survey of the Territories.

- Map of the Lower Geyser Basin on Firehole River, resurveyed in 1872.
- Map of the Upper Geyser Basin on Firehole River. Montana and Wyoming Territories.
- Map of the Sources of Snake River.
- Field Map of Colorado.
- Geological Map of Montana and Wyoming Territories.
- Geological Map of the Sources of Snake River.
- Sketch of the Primary Triangulation of 1877.

Department of the Interior. U. S. Geological and Geographical Survey of the Territories. Geological and Geographical Atlas of Colorado and portions of the adjacent Territory; by F. V. Hayden, U. S. Geologist-in-charge. 1878. 20 double-folio atlas-sheets.

Report of Lieut. Gustavus C. Doane upon the so-called Yellowstone Expedition of 1870. Washington, 1873. 8vo., 40 pp.

Report upon the Reconnoissance of Northwestern Wyoming, including the Yellowstone National Park, made in the Summer of 1873; by Capt. William A. Jones, U. S. A. Washington, 1875. 8vo., vi and 331 pp., 4 plates and 55 maps.

War Department. Report of an Expedition up the Yellowstone River, made in 1875; by Lieut.-Col. James W. Forsyth, and Lieut.-Col. F. D. Grant. Washington, 1875. 8vo., 17 pp., 5 plates and map.

Report of a Reconnoissance of the Missouri River in 1872; by Thomas P. Roberts. Washington, 1875. 8vo., 56 pp., plate and 9 maps.

Report of Explorations in 1873 of the Colorado of the West, and its Tributaries; by Prof. J. W. Powell, under the direction of the Smithsonian Institution. Washington, 1874. 8vo., 36 pp.

Exploration of the Colorado River of the West and its Tributaries, explored in 1869, 1870, 1871 and 1872, under the Direction of the Smithsonian Institution. Washington, 1875. 4to., xi and 291 pp., 81 plates and map. [J. W. Powell.]

Department of the Interior. U. S. Geological and Geographical Survey of the Territories, 2d Division. J. W. Powell, Geologist-in-charge. Report on the Geology of the Eastern Portion of the Uinta Mountains and a Region of Country adjacent thereto; by J. W. Powell. Washington, 1876. 4to., vii and 218 pp., 4 plates and atlas of 8 sheets.

Report on the Geographical and Geological Survey of the Rocky Mountain Region; by J. W. Powell. Washington, 1877. 8vo., 19 pp., and map.

XLVth Congress, 2d Session. II. of R. Ex. Doc. No. 73. Report on the Arid Sands of the Arid Region of the United States, with a more detailed Account of the Lands of Utah; by J. W. Powell. Washington, 1878. 4to., xiii and 195 pp., and 3 maps.

Department of the Interior. U. S. Geographical and Geological Survey of the Rocky Mountain Region. J. W. Powell, Geologist-

- in-charge. Contributions to North American Ethnology. Vol. I. Washington, 1877. 4to., xiv, 361 pp., and 2 maps.
- Vol. III. Washington, 1877. 4to., iii, 635 pp., and map.
- Department of the Interior. U. S. Geological and Geographical Survey of the Territories. F. V. Hayden in charge. Bulletin of the U. S. Entomological Commission.
- No. 1. Washington, 1877, 8vo., 12 pp.
- No. 2. " " " 15 pp.
- Department of the Interior. U. S. Geological Survey. F. V. Hayden, Geologist-in-charge. First Annual Report of the United States Entomological Commission for the year 1877, relating to the Rocky Mountain Locust, and the best methods of preventing its injuries and of guarding against its invasions. Washington, 1878. 8vo., xvi, 477, and 249 pp., 5 plates and 2 maps.
- Report upon the Physics and Hydraulics of the Mississippi River; upon the Protection of the Alluvial Region against Overflow; and upon the Deepening of the Mouths: based upon Surveys and Investigations by Capt. A. A. Humphreys and Lieut. H. L. Abbott, U. S. A. (1861.) Reprinted with additions. Washington, 1876. 4to., xxiv and 691 pp., and 25 maps.
- Engineer Department. U. S. Army. Preliminary Report upon a Reconnaissance through Southern and Southeastern Nevada, made in 1869; by Lieut. Geo. M. Wheeler, U. S. A. Washington, 1869. 4to., 72 pp. [Republished in 1875.]
- Preliminary Report concerning Explorations and Surveys, principally in Nevada and Arizona; by Lieut. Geo. M. Wheeler, U. S. A., 1871. Washington, 1872. 4to., 96 pp. and map.
- Engineer Department, U. S. Army. Progress Report upon Geographical and Geological Explorations and Surveys west of the 100th Meridian, in 1872; by Lieut. George M. Wheeler, U. S. A. Washington, 1874. 4to., 56 pp., 5 plates and map.
- Tables of Camps, Distances, Lines of March, etc. Surveys and Explorations in Nevada and Arizona, Lieut. Geo. M. Wheeler, U. S. A., in charge. Washington, 1871. Oblong folio, 14 pp.
- Tables containing Camps, Distances, Lines of March, Latitudes, Longitudes, Altitudes, etc. Explorations and Surveys west of the 100th Meridian, in Utah, Nevada, and Arizona. Field Season of 1872. Washington, 1873. 4to., 20 pp., and map.
- Report upon the Determination of the Astronomical Co-ordinates of the Primary Stations at Cheyenne, Wyoming Territory, and Colorado Springs, Colorado, made during the years 1872 and

1873. Geographical and Geological Explorations and Surveys west of the 100th Meridian, Lieut. Geo. M. Wheeler, U. S. A., in charge. Dr. F. Kampf, and J. H. Clark, Assistants. Washington, 1874. 4to., 82 pp.

Engineer Department, U. S. Army. Report upon Geographical and Geological Explorations and Surveys west of the 100th Meridian, in charge of Lieut. Geo. M. Wheeler, U. S. A. Vol. II. Astronomy and Barometric Hypsometry. Washington, 1877. 4to., xiii and 571 pp., and 83 plates.

Engineer Department, U. S. Army. Report upon Geographical and Geological Explorations and Surveys west of the 100th Meridian, in charge of Lieut. Geo. M. Wheeler, U. S. A. Vol. III, Geology. Washington, 1875. 4to., 681 pp., and 14 plates.

Engineer Department, U. S. Army. Report upon Geographical and Geological Explorations and Surveys west of the 100th Meridian, in charge of Lieut. Geo. M. Wheeler, U. S. A. Vol. IV, Palaeontology. Washington, 1877. 4to., vi, 219, and 370 pp., and 83 plates.

Engineer Department, U. S. Army. Report upon Geographical and Geological Explorations and Surveys west of the 100th Meridian, in charge of Lieut. Geo. M. Wheeler, U. S. A. Vol. V, Zoölogy. Washington, 1875. 4to., 1021 pp., and 45 plates.

Engineer Department, U. S. Army. Report upon Geographical and Geological Explorations and Surveys west of the 100th Meridian, in charge of Lieut. Geo. M. Wheeler, U. S. A. Vol. VI, Botany. Washington, 1878. 4to., 424 pp., and 30 plates.

Annual Report upon the Geographical and Geological Surveys and Explorations west of the 100th Meridian, in Nevada, Utah, Colorado, New Mexico, and Arizona; by Lieut. Geo. M. Wheeler, U. S. A.; being Appendix EE of the Annual Report of the Chief of Engineers for 1873. Washington, 1873. 8vo., 11 pp., and map.

Annual Report upon the Geographical Explorations and Surveys west of the 100th Meridian, in California, Nevada, Utah, Arizona, Colorado, New Mexico, Wyoming, and Montana; by Lieut. Geo. M. Wheeler, U. S. A.; being Appendix FF of the Annual Report of the Chief of Engineers for 1874. Washington, 1874. 8vo., 130 pp., and map.

* Annual Report upon the Geographical Explorations and Surveys west of the 100th Meridian, in California, Nevada, Nebraska, Utah, Arizona, Colorado, New Mexico, Wyoming, and Montana; by Lieut. Geo. M. Wheeler, U. S. A.; being Appendix LL of

- the Annual Report of the Chief of Engineers for 1875. Washington, 1875. 8vo., 196 pp., 9 plates, and 2 maps. 63
- Annual Report upon the Geographical Surveys, west of the 100th Meridian, in California, Nevada, Utah, Colorado, Wyoming, New Mexico, Arizona, and Montana; by Lieut. Geo. M. Wheeler, U. S. A.; being Appendix JJ of the Annual Report of the Chief of Engineers for 1876. Washington, 1876. 8vo., vi and 355 pp., 2 plates, 16 maps, and section. it. Geo. s, Lati- shing- n only
- Annual Report upon the Geographical Surveys, west of the 100th Meridian, in the States and Territories of California, Oregon, Nevada, Texas, Arizona, Colorado, Idaho, Montana, New Mexico, Utah, and Wyoming; by Lieut. Geo. M. Wheeler, U. S. A.; being Appendix NN of the Annual Report of the Chief of Engineers for 1877. Washington, 1877. 8vo., 133 pp., 2 plates and 11 maps. uphical 8vo., aps of h Me- ny, in
- Annual Reports upon the Geological Surveys of the Territory of the United States, west of the 100th Meridian, in the States and Territories of California, Colorado, Kansas, Nebraska, Nevada, Oregon, Texas, Arizona, Idaho, Montana, New Mexico, Utah, Washington, and Wyoming; by Lieut. Geo. M. Wheeler, U. S. A.; being Appendix NN of the Annual Report of the Chief of Engineers for 1878. Washington, 1878. 8vo., 246 pp., 12 maps, and 6 plates. idian,
- Engineer Department, U. S. Army. Geographical and Geological Explorations and Surveys west of the 100th Meridian, Lieut. Geo. M. Wheeler, U. S. Army, in charge. Report upon Ornithological Specimens collected in the years 1871, 1872, and 1873. Washington, 1874. 8vo., 148 pp. [Dr. H. C. Yarrow and H. W. Henshaw.] , Map 61B, , 47B,
- Engineer Department, U. S. Army. Geographical and Geological Explorations and Surveys west of the 100th Meridian, Lieut. Geo. M. Wheeler, U. S. A., in charge. Catalogue of Plants collected in the years 1871, 1872, and 1873, with Descriptions of New Species. Washington, 1874. 8vo., 62 pp. [S. Watson and Dr. J. T. Rothrock.] s. 50,
- Engineer Department, U. S. Army. Geographical and Geological Explorations and Surveys west of the 100th Meridian, Lieut. Geo. M. Wheeler, U. S. A., in charge. Preliminary Report upon Invertebrate Fossils collected by the Expeditions of 1871, 1872, and 1873, with Descriptions of New Species. C. A. White. Washington, 1874. 8vo., 27 pp. ntry s. A. nent Ap- eers,

- Geographical and Geological Explorations and Surveys west of the 100th Meridian. Lieut. Geo. M. Wheeler, U. S. A., in charge. On the Plagopterine and the Ichthyology of Utah; by Edward D. Cope. Philadelphia, 1874. 8vo., 14 pp.
- Geographical and Geological Explorations and Surveys west of the 100th Meridian, Lieut. Geo. M. Wheeler, U. S. A., in charge. Annotated List of Birds of Utah; by H. W. Henshaw, Ornithologist. Salem, 1874. 8vo., 14 pp.
- Engineer Department, U. S. Army. Geographical Explorations and Surveys west of the 100th Meridian; Lieut. Geo. M. Wheeler, U. S. A., in charge. Report upon Vertebrate Fossils discovered in New Mexico, with descriptions of New Species. Prof. E. D. Cope, Palaeontologist. Extract from Appendix FF of the Annual Report of the Chief of Engineers, 1874. Washington, 1874. 8vo., 18 pp.
- Engineer Department, U. S. Army. Geographical Explorations and Surveys west of 100th Meridian, Lieut. Geo. M. Wheeler, U. S. A., in charge. Systematic Catalogue of Vertebrata of the Eocene of New Mexico, collected in 1874. E. D. Cope, Palaeontologist. Washington, 1875. 8vo., 37 pp.
- Engineer Department, U. S. Army. Geographical and Geological Surveys west of the 100th Meridian, Lieut. Geo. M. Wheeler, U. S. Army, in charge. Logarithm, Traverse, and Altitude Tables. Washington, 1875. 8vo., 30 pp.
- Engineer Department, U. S. Army. Instructions for taking and recording Meteorological Observations, and for preserving and repairing Instruments; prepared for the use of Field and Astronomical Parties of the Expeditions for Geographical Explorations and Surveys west of the 100th Meridian. Compiled from Col. Williamson's Use of the Barometer, and from the published Instructions of the U. S. Lake Survey; by Lieutenants R. L. Hoxie, and William L. Marshall, U. S. A. To which are appended Barometrical Tables I-XI of Professional Papers, Corps of Engineers, No. 15. Washington, 1875. 8vo., 64 pp.
- U. S. Geographical Surveys west of the 100th Meridian. Barometric Hypsometry. Instructions. Washington, 1876. 8vo., 88 pp.
- Engineer Department, U. S. Army. Catalogue of Mean Declination of 2018 Stars, etc. Prepared under the direction of Lieut. Geo. M. Wheeler, U. S. A., in charge of U. S. Geographical Surveys west of the 100th Meridian; by Prof. T. H. Safford. Washington, 1877. 8vo., — pp.

U. S. Geographical Surveys west of the 100th Meridian, Lieut. Geo. M. Wheeler, U. S. Army, in charge. Lists of Longitudes, Latitudes, and Altitudes, being an extract from Vol. II. Washington, 1878. 4to., 22 pp., with blank tables. [A small edition only for the use of the Survey.]

Field List of Time Stars, for the use of the U. S. Geographical Surveys west of the 100th Meridian. Washington, 1878. 8vo., 13 pp.

Engineer Department U. S. Army. List of Reports and Maps of the United States Geographical Surveys west of the 100th Meridian, Geo. M. Wheeler, Corps of Engineers, U. S. Army, in charge. Washington, 1878. 8vo., 36 pp.

Maps of the U. S. Geographical Surveys west of the 100th Meridian.

TOPOGRAPHICAL ATLAS.

Title, Conventional Sign, Legend, Progress Map, Index Map, Map of Areas of Drainage, and Sheets Nos. 49, 50, 53C, 58, 59, 61B, 61C, 61C sub, 62A, 62C, 66, 67, 69B, 69D, 75, 76, 83, 41B, 47B, 47D, 61 A, 61D, 65D, 70A, 70C, 77B, 77D.

GEOLOGICAL ATLAS.

Title, Restored Outlines of Lake Bonneville, and Sheets Nos. 50, half of 58 and 66, 59, 67, 75, 76, 83.

LAND CLASSIFICATION SERIES.

Sheets Nos. 61B, 61C sub, 65D, 69B, 70A, 70C, 77B.

SPECIAL SHEETS.

Reconnaissance Map of parts of Nevada and Arizona.

Skeleton Map of country west of the Mississippi.

Map of the Grand Cañon of the Colorado.

War Department. Report of a Reconnaissance in the Ute Country made in the year 1873; by Lieutenant E. H. Ruffner, U. S. A. Washington, 1874. 8vo., 101 pp., and map.

Annual Report upon Explorations and Surveys in the Department of the Missouri; by Lieut. E. H. Ruffner, U. S. A., being Appendix RR of the Annual Report of the Chief of Engineers,

- to the Secretary of War, for 1877. Washington, 1877. 8vo., pp. iv and 1399-1438, and 3 plates.
- Annual Report upon Explorations and Surveys in the Department of the Missouri; by Lieut. E. H. Ruffner, U. S. A.; being Appendix SS of the Annual Report of the Chief of Engineers, to the Secretary of War, for 1878. Washington, 1878. 8vo., iv, 2, and 1749-1867 pp., 2 maps and 7 plates.
- War Department. Report on the Yellowstone Expedition of 1873; by Maj.-Gen. D. S. Stanley, U. S. A. Washington, 1874. 8vo., 17 pp.
- Annual Report upon Explorations and Surveys in the Department of Dakota; by Lieut.-Col. William Ludlow, U. S. A. From the Report of the Chief of Engineers to the Secretary of War for 1874. Washington, 1874. 8vo., 10 pp.
- Engineer Department, U. S. A. Report of a Reconnoissance of the Black Hills of Dakota, made in the Summer of 1874; by Lieut.-Col. William Ludlow, U. S. A. Washington, 1875. 4to., 121 pp., plate and 3 maps.
- War Department. Report of a Reconnoissance from Carroll, Montana Territory, on the Upper Missouri, to the Yellowstone National Park and Return, made in the Summer of 1875; by Lieut.-Col. William Ludlow, U. S. A. Washington, 1876. 4to., 155 pp., 2 plates and 3 maps. [Also printed as Appendix XX to Report of Chief of Engineers for 1875. Washington, 1876. 8vo., 141 pp., 2 plates and 3 maps.]
- Department of the Interior, U. S. Geological and Geographical Survey of the Black Hills. The Mineral Wealth, Climate, and Rain Fall and Natural Resources of the Black Hills of Dakota; by Walter P. Jenny, Geologist-in-charge. Washington, 1876. 8vo., 71 pp., and map.
- United States Geographical and Geological Survey of the Rocky Mountain Region, J. W. Powell, in charge. Preliminary Report on the Palæontology of the Black Hills; by R. P. Whitfield. Containing Descriptions of New Fossils from the Potsdam, Jurassic and Cretaceous Formations. Washington, 1877. 8vo., 49 pp.
- Report on the Transportation Route along the Wisconsin and Fox Rivers in the State of Wisconsin, between the Mississippi River and Lake Michigan; by Gen. G. K. Warren, U. S. A., being Appendix T₂ of the Annual Report of the Chief of Engineers to

- the Secretary of War for 1876. Washington, 1876. 8vo., 116 pp., and 9 plates.
- XLVth Congress, 2d Session. H. of R's, Mis. Doc. No. 55. Public Surveys, Testimony before the Committee on the Public Lands. Washington, 1878. 8vo., 46 pp.
- XLVth Congress, 2d Session. H. of R's, Ex. Doc. No. 81. Geological and Geographical Surveys. Letter from the Secretary of the Interior transmitting Report of Prof. Hayden upon Geological and Geographical Surveys. Washington, 1878. 8vo., 22 pp., and map.
- XLVth Congress, 3d Session. H. of R's, Mis. Doc. No. 5. Surveys of the Territories. Letter from the acting President of the National Academy of Sciences transmitting a Report on the Survey of the Territories. Washington, 1878. 8vo., 27 pp.
- XLVth Congress, 3d Session. H. of R's, Ex. Doc. No. 29. Cost of certain Surveys. Letter from the Secretary of the Treasury transmitting a Communication from the Superintendent of the Coast and Geodetic Survey relative to the Cost of certain Classes of the Work of the Survey. Washington, 1879. 8vo., 4 pp.
- XLVth Congress, 3d Session. Senate, Ex. Doc. No. 21. Letter from the Secretary of War communicating Information in relation to the Surveys in the Territories west of the Mississippi River. Washington, 1879. 8vo., 17 pp.
- Part II, 6 pp.
- Report on the Methods of Surveying the Public Domain to the Secretary of the Interior, at the Request of the National Academy of Sciences; by J. W. Powell, 1878. Washington, 1878. 8vo., 16 pp.
- XLVth Congress, 3d Session. H. of R's, Ex. Doc. No. 72. Cost of Geographical Surveys. Letter from the Secretary of the Interior relating to the Cost of Geographical Surveys. Washington, 1879. 8vo., 6 pp.
- Reports of Inspection made in the Summer of 1877 by Generals P. H. Sheridan and W. T. Sherman of Country north of the Union Pacific Railroad. Washington, 1878. 8vo., 110 pp., 10 maps and 4 plates.

SOUTH CAROLINA.

- *L. Vanuxem. Report on Geology, published in newspapers, and most of it in Mills's Statistics of South Carolina. 1826. 8vo.
- Report of the Commencement and Progress of the Agricultural

Survey of South Carolina for 1843; by Edmund Ruffin, Agricultural Surveyor of the State. Columbia, 1843. 8vo., 120 and 55 pp.

Report on the Geological and Agricultural Survey of the State of South Carolina; by M. Tuomey. Columbia, 1844. 8vo., iv, and 63 pp.

Report on the Geology of South Carolina; by M. Tuomey. Columbia, 1848. 4to., vi, 293, and lvi pp., plate and 2 maps.

Report on the Survey of South Carolina: being the first annual report to the General Assembly; by Oscar M. Lieber. Columbia, 1856. 8vo., viii, and 136 pp., and 9 plates.

Report on the Survey of South Carolina: being the second annual report to the General Assembly; by Oscar M. Lieber. Columbia, 1858. 8vo., viii, and 145 pp., and 5 plates.

Report on the Survey of South Carolina: being the third annual report to the General Assembly; by Oscar M. Lieber. Columbia, 1859. 8vo., xv, and 223 pp. and 3 plates.

Report on the Survey of South Carolina: being the fourth annual report to the General Assembly. Columbia, 1860. 8vo., ix, and 194 pp. and 4 plates. [Oscar M. Lieber.]

[The last four reports are bound in one volume, with the title, Reports on the Geognostic Survey of South Carolina; by Oscar Montgomery Lieber, State Geologist of S. C. I, II, III, IV. 1856-1860. Columbia, 1860.]

Report of the Superintendent of the United States Coast Survey for 1870. Washington, 1873. 4to. Contains, pp. 182-189, Report of Professor N. S. Shaler on the Phosphate Beds of South Carolina.

TENNESSEE.

[Troost's First and Second Reports were not published.]

Third Geological Report to the 21st General Assembly of the State of Tennessee, made Oct., 1835; by G. Troost. Nashville, 1835. 12mo., 32 pp., and map.

Fourth Geological Report to the 22d General Assembly of the State of Tennessee, made Oct., 1837; by G. Troost. Nashville, 1837. 12mo., 37 pp., and map.

Fifth Geological Report to the 23d General Assembly of Tennessee, made Nov., 1839; by G. Troost. Nashville, 1840. 8vo., 75 pp., and 2 maps.

Sixth Geological Report to the 24th General Assembly of the State

- of Tennessee, made Oct., 1841; by G. Troost. Nashville, 1841. 8vo., 48 pp., and map.
- Seventh Geological Report to the 25th General Assembly of the State of Tennessee, made Nov., 1843; by G. Troost. Nashville 1844. 8vo., 45 pp., and map.
- Eighth Annual Report to the 26th General Assembly of the State of Tennessee, made Nov., 1845; by G. Troost. Nashville, 1845. 12mo., 40 pp.
- Ninth Annual Report to the 27th General Assembly of the State of Tennessee, made Nov., 1847; by G. Troost. Nashville, 1848. 12mo., 39 pp., and 2 plates.
- A Geological Reconnoissance of the State of Tennessee, being the Author's First Biennial Report, presented to the 31st General Assembly of Tennessee, Dec., 1855; by James M. Safford, State Geologist. Nashville, 1856. 8vo., 164 pp., and map.
- Second Biennial Report, presented to the 32d General Assembly of Tennessee, Nov., 1857; by James M. Safford, State Geologist. Nashville, 1857. 8vo., 11 pp.
- Geology of Tennessee; by James M. Safford, State Geologist. Nashville, 1869. 8vo., xi, and 550 pp., 8 plates and map.
- Introduction to the Resources of Tennessee; by J. B. Killebrew, assisted by James M. Safford. Nashville, 1874. 8vo., viii, 1193, and xi pp. Contains Geology, pp. 26-275.

TEXAS.

- First Report of Progress of the Geological and Agricultural Survey of Texas; by B. F. Shumard, State Geologist. Austin, 1859. 8vo., 17 pp.
- A Preliminary Report of the Geological and Agricultural Survey of Texas; by S. B. Buckley. Austin, 1866. 8vo., 81, 4 and ii pp.
- First Annual Report of the Geological and Agricultural Survey of Texas; by S. B. Buckley, State Geologist. Houston, 1874. 8vo., 142 pp.
- Second Annual Report of the Geological and Agricultural Survey of Texas; by S. B. Buckley, State Geologist. Houston, 1876. 8vo., 96 pp.

VERMONT.

- Report and Correspondence on the Subject of a Geological and Topographical Survey of the State of Vermont. —, 1838. 8vo., 20 pp.

- First Annual Report on the Geology of the State of Vermont ; by C. B. Adams, State Geologist. Burlington, 1845. 8vo., 92 pp., map and section.
- Second Annual Report on the Geology of the State of Vermont ; by C. B. Adams, State Geologist. Burlington, 1846. 8vo., 267 pp.
- Third Annual Report of the Geology of the State of Vermont ; by C. B. Adams, State Geologist. Burlington, 1847. 8vo., 32 pp.
- Fourth Annual Report on the Geological Survey of the State of Vermont ; by C. B. Adams, State Geologist. Burlington, 1848. 8vo., 8 pp.
- Preliminary Report on the Natural History of the State of Vermont ; by Augustus Young, State Naturalist. Burlington, 1856. 8vo., 88 pp.
- Report on the Geological Survey of Vermont ; by Edward Hitchcock, State Geologist. Montpelier, 1857. 8vo., 12 pp.
- Report on the Geological Survey of Vermont ; by Edward Hitchcock, State Geologist. Burlington, 1858. 8vo., 13 pp.
- Preliminary Report on the Geology of Vermont ; by Edward Hitchcock, State Geologist. Montpelier, 1859. 8vo., 16 pp.
- Report on the Geology of Vermont : Descriptive, Theoretical, Economical and Scenographical ; by Edward Hitchcock, Edward Hitchcock, Jr., Albert D. Hager, Charles H. Hitchcock. In two volumes. Claremont, 1861. 4to., together 988 pp., 38 plates, including 3 maps.
- The First Annual Report of the Vermont State Board of Agriculture, Manufactures, and Mining for the year 1872. Montpelier, 1872. 8vo. Contains, pp. 713-721, Report of the State Geologist and Curator of the State Cabinet. [H. A. Cutting.]
- The Second Biennial Report of the State Board of Agriculture, etc. Montpelier, 1874. 8vo. Contains, pp. 759-782, Report of the State Geologist and Curator of the State Cabinet for the years 1873-74. [H. A. Cutting.]
- The Third Biennial Report of the Vermont State Board of Agriculture, etc., for 1875-76. Rutland, 1876. 8vo. Contains, pp. 661-686, Report of the State Geologist and Curator of the State Cabinet for 1875-76. [H. A. Cutting.]

VIRGINIA.

- Report of the Geological Reconnoissance of the State of Virginia, made under the appointment of the Board of Public Works ; by

- William B. Rogers. Richmond, 1836. 4to., 52 pp., and plate. [Republished, Philadelphia, 1836. 8vo., 143 pp., and plate.]
- Report of the Progress of the Geological Survey of Virginia for 1836; by William B. Rogers. Richmond, 1837. 4to., 14 pp.
- Report of the Progress of the Geological Survey of Virginia for 1837; by William B. Rogers. Richmond, 1838. 4to., 24 pp.
- [First and Second Reports of the Progress of the Geological Survey of Virginia, for the years 1836 and 1837. Philadelphia, 1838. 8vo., 87 pp.]
- Report of the Progress of the Geological Survey of the State of Virginia, for the year 1838; by William B. Rogers. Richmond, 1839. 4to., 32 pp.
- Report of the Progress of the Geological Survey of the State of Virginia, for the year 1839; by William B. Rogers. Richmond, 1840. 8vo., 161 pp.
- Report of the Progress of the Geological Survey of the State of Virginia, for the year 1840; by William B. Rogers. Richmond, 1841. 8vo., 132 pp.
- Virginia: a Geographical and Political Summary, embracing a Description of the State, its Geology, Soils, Minerals, Climate, etc. Prepared under the Supervision of the Board of Immigration. Richmond, 1876. 8vo., iv, 319 pp. and 4 maps. [Jed. Hotchkiss.]

WEST VIRGINIA.

- Third Annual Report of the Board of Regents of West Virginia University for the year 1870. Wheeling, 1871. 8vo. Contains pp. 40-73, "B." Geological Examination of Monongalia County, West Virginia, by J. J. Stevenson, with Lists of Fossils and Descriptions of New Species; by F. B. Meek.
- Resources of West Virginia; by M. F. Maury and Wm. M. Fontaine. Wheeling, 1876. 8vo., 430 pp. Contains valuable geological information.

WISCONSIN.

- Report of a Geological Reconnoissance, made in 1835, from the Seat of Government by the way of Green Bay and the Wisconsin Territory to the Coteau de Prairie; by G. W. Featherstonhaugh, U. S. Geologist. Washington, 1836. 12mo., 168 pp. and 4 plates.
- First Annual Report of the Geological Survey of the State of Wis-

- consin; by Edward Daniels. Madison, 1854. 8vo., 84 pp., 2 sections.
- Annual Report on the Geological Survey of the State of Wisconsin; by James G. Percival. Madison, 1855. 8vo., 101 pp., and map.
- Annual Report of the Geological Survey of the State of Wisconsin; by James G. Percival. Madison, 1856. 8vo., 111 pp. [Also printed in German.]
- Annual Report of the Geological Survey of the State of Wisconsin, for the year ending Dec. 31st, 1857; by E. Daniels. Madison, 1858. 12mo., 62 pp. and section.
- Report of the Commissioners of the Geological Survey. Madison, 1858. 8vo., 12 pp.
- *James Hall. Annual Report for 1859. Madison, 1860.
- Report of the Superintendent of the Geological Survey, exhibiting the Progress of the work, Jan. 1st, 1861; by James Hall. Madison, 1861. 8vo., 52 pp.
- Report on the Geological Survey of the State of Wisconsin. Vol. I; by James Hall and J. D. Whitney. Albany, 1862. 8vo., xix and 455 pp., 10 plates and 2 maps.
- State of Wisconsin. Report on the Geological Survey of the Lead Region; by John Murrish. n. d. 8vo., 65 pp.
- The State of Wisconsin, embracing brief Sketches of its History, Position, Resources, Industries, and a Catalogue of its Exhibits at the Centennial, at Philadelphia, 1876. Madison, 1876. 8vo., 86 and 84 pp.
- Annual Report of Progress and Results of the Wisconsin Geological Survey for the year 1876; by T. C. Chamberlin, Chief Geologist. Madison, 1877. 8vo., 40 pp.
- Annual Report of the Wisconsin Geological Survey for the year 1877; by T. C. Chamberlin, Chief Geologist. Madison, 1878. 8vo., 94 pp. and plate.
- Geology of Wisconsin. Survey of 1873-1877. Vol. II, Part I, Historical. Part II, Eastern Wisconsin. Part III, Central Wisconsin. Part IV, Lead Region. Madison, 1877. Roy. 8vo., xix and 768 pp., 37 plates and an atlas of 14 maps. [T. C. Chamberlin, Director.]
- Annual Report of the Wisconsin Geological Survey for the year 1878; by T. C. Chamberlin, Chief Geologist. Madison, 1879. 8vo., 51 pp.

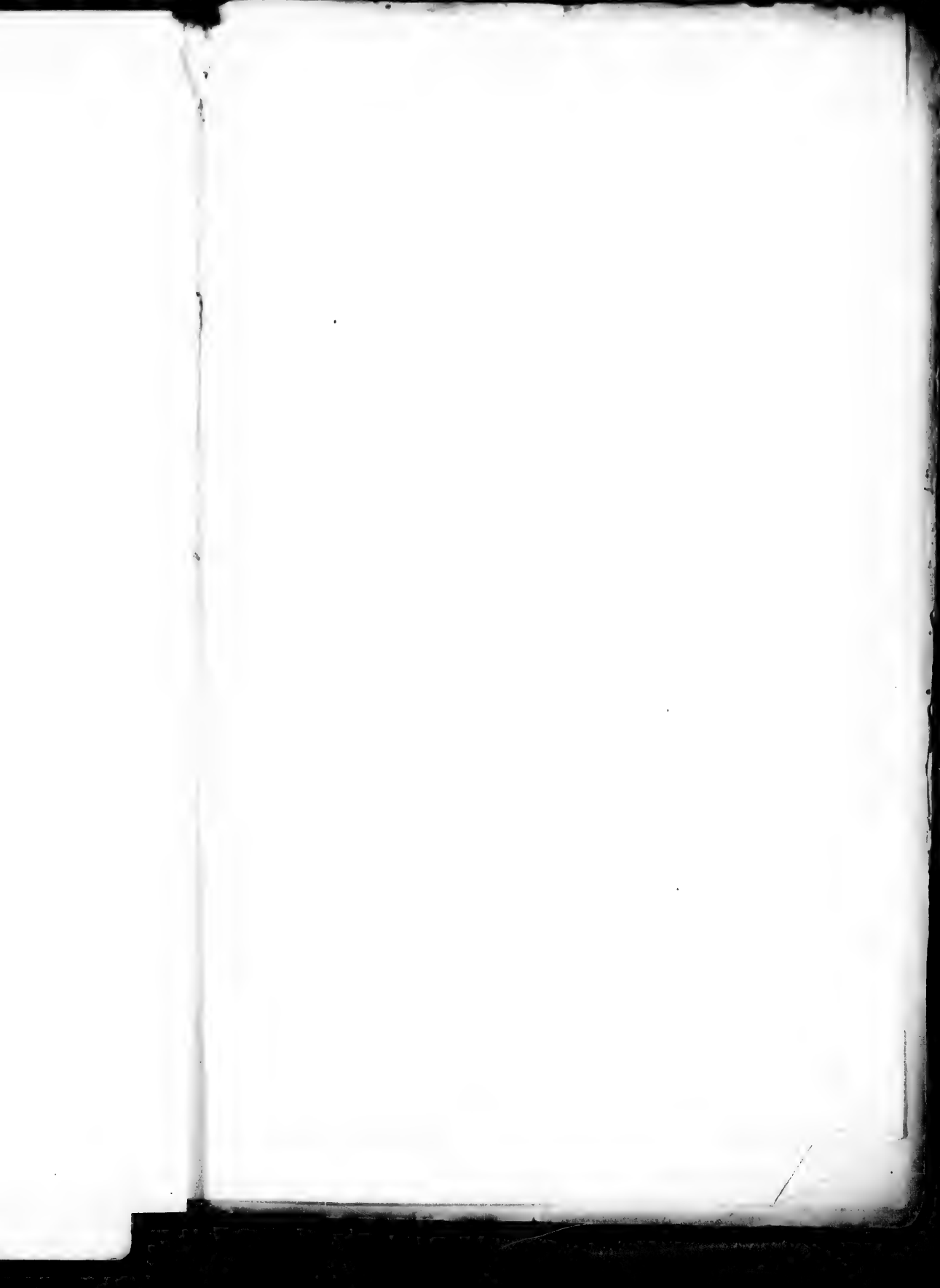
WISCONSIN AND IOWA.

Letter of the Secretary of the Treasury communicating a Report of a Geological Reconnoissance of the Chippewa Land District of Wisconsin and the northern part of Iowa; by David Dale Owen. Washington, 1848. 8vo., 134 pp., 23 plates, 14 sections and maps.

WISCONSIN, IOWA, AND MINNESOTA.

Report of a Geological Survey of Wisconsin, Iowa, and Minnesota, and incidentally of a portion of Nebraska Territory; by David Dale Owen, U. S. Geologist. Philadelphia, 1852. 4to., 638 pp., 27 plates, 16 sections and map.







SUPPLEMENT II. TO A CATALOGUE OF OFFICIAL REPORTS UPON GEOLOGICAL SURVEYS OF THE UNITED STATES AND TERRITORIES, AND OF BRITISH NORTH AMERICA.

BY FREDERICK PRIME, JR., PH.D.

IN this second supplementary list no titles to which an * is prefixed have been seen by the compiler; and he will be most thankful to have any omissions or inaccuracies in the list sent to him to be published as a third supplement in the next volume of the *Transactions*. The author is indebted to Prof. J. J. Stevenson, of New York, Prof. P. R. Uhler and John W. M. Lee, Esq., of Baltimore, and Lloyd P. Smith, Esq., of Philadelphia, for valuable assistance.

OFFICE, ALLENTOWN IRON COMPANY,
230 SOUTH THIRD STREET, PHILADELPHIA,
September 5th, 1881.

ALABAMA.

Geological Survey of Alabama. Report of Progress for 1879 and 1880 by Eugene A. Smith, State Geologist. Montgomery, 1881. 8vo., 158 pp., and 2 maps.

CALIFORNIA.

Omit Report of Hon. T. Butler King, in Supplement I. For Trask's Geology and Industrial Resources, etc., in Supplement I., read Tyson's, etc.

Fremont's Memoir on Upper California, is also published as XXXth Congress, 1st Session. Senate Mis. Doc., No 148, and has a map.

For Randall's Report in Supplement I, read Report of the Special Committee in favor of a Geological Survey, submitted by Mr. Randall, April 24th, 1851. n.d., 1851. 8vo., 19 pp.

XXXIst Congress, 1st Session, Sen. Ex. Doc., No. 47, Part 2 [Part 1 is Tyson's Report.] Report of the Secretary of War in further compliance with the Resolution of the Senate, calling for Copies of

Reports on the Geology and Topography of California. Washington, 1850. 8vo., 32 pp. [Derby and Williamson.]
 Geological Survey of California; J. D. Whitney, State Geologist. Botany, Vol. II; by Sereno Watson. Cambridge, 1880. Roy. 8vo., xv and 559 pp.

CANADA.

Geological Survey of Canada; Alfred R. C. Selwyn, Director. Report of Progress for 1878-79. Montreal, 1880. 8vo., x, 14, 239, 72, iv, 26, 25 pp., 29 plates, and 5 maps.

FLORIDA.

Omit the pamphlet in Supplement I.
 XXXth Congress, 1st Session. Senate, Rep. Com., No. 242. Report of Committee on Draining the Everglades of Florida. Washington, 1848. 8vo., 131 pp.

INDIANA.

State of Indiana. Second Annual Report of the Department of Statistics and Geology, 1880. To the Governor. Indianapolis 1880. 8vo., 544 pp., 4 maps, and 11 plates. [John Collett.]

IOWA, WISCONSIN, AND ILLINOIS.

Another edition of the report referred to in the catalogue contains 161 pp.

MARYLAND.

Insert the following list of official publications of the Geology of Maryland in place of that given in the catalogue:

XXIIIrd Congress, 1st Session. H. of R., Report No. 414; by Hon. Charles Fenton Mercer, on Chesapeake and Ohio Canal, and Baltimore and Ohio Railroad Companies. Washington, 1834. 8vo., 378 pp., and plate.

*Report of Hon. William Cost Johnson. H. of R., Doc. No. 168. Washington, 1836.

Md. House of Delegates. Sess. Dec., 1832. Report of the Select Committee relative to the Expediency of procuring a Map of the State. L. W. Jenkins, Chairman, Annapolis. 1833. 8vo., 10 pp.

Md. Sess. Dec., 1833. Report on the projected Survey of the State of Maryland, pursuant to a Resolution of the General Assembly. Annapolis, 1834. 8vo., 39 pp. and map. J. T. Ducatel and J. H. Alexander.]

nia. Washing-
n.]
State Geologist.
ge, 1880. Roy.

Director. Re-
D. 8vo., x, 14,

No. 242. Report
da. Washing-

Department of
Indianapolis
ohn Collett.]

logue contains

the Geology of

414; by Hon.
nal, and Balti-
n, 1834. 8vo.,

Doc. No. 168.

of the Select
g a Map of the
1833. 8vo.,

ey of the State
eral Assembly.
Ducatel and

[Another edition. Annapolis, 1834. 8vo., 58 pp. and map.]

[Another edition. Annapolis, 1834. 8vo., 43 pp., and folded table.]

Md. House of Delegates, Sess. Dec., 1833. William D. Merrick, Chairman. Report of the Committee on Internal Improvement [Sic.] Relative to a Map and Survey of the State of Maryland. Annapolis, 1834. 8vo., 6 pp.

Report on the New Map of Maryland, 1834. n. d. 8vo., 59, 1 pp., 2 maps, and 1 folded table. [J. T. Ducatel and J. H. Alexander.]

[Part of above issued separately. Engineer's Report [for 1834]. 8vo., 12 pp.]

[Part of above issued separately. Report [of the Geologist for 1834]. 8vo., pp. 13-59, 2 maps and folded table.]

[Another edition. Report of the Geologist to the Legislature of Maryland, 1834. n. d. 8vo., 50, 1 pp., 2 maps and folded table.]

Report of the New Map of Maryland, 1834. n. d. 8vo., 15 pp.

Md. Sess. Dec., 1835. Report of the Engineer and Geologist in relation to the New Map, to the Executive of Maryland. Annapolis, 1836. 8vo., 84, 1 pp., 6 maps, and plate. [J. T. Ducatel and J. H. Alexander.]

[Separately printed, as parts of the above: Report on the New Map of Maryland, 1835. 8vo., 34 pp., 6 maps. Also, Report of the Geologist. n. d. 8vo., 35-84 pp., plate.]

[Another edition. 96, 1 pp., and maps, and plate.]

Md. Sess. Dec., 1836. Report on the New Map of Maryland, 1836. n. d. 8vo., 117 pp., and 6 maps. [J. H. Alexander and J. T. Ducatel.]

[Another edition. 8vo., 104 pp., and 5 maps.]

[Part of the above in: Communication from John H. Alexander, Esq., Topographical Engineer, to the Governor of Maryland. Annapolis, 1838. 8vo., 15 pp.]

Md. Sess. Dec., 1837. Document [R.]. Mr. Kerr, Chairman. Report of the Select Committee appointed to inquire into the Expediency of Repealing the Act to provide for completing a New Map, and Geological Survey of this State. n. d. 8vo., 8 pp.

[Another edition. 8vo., 4 pp.]

Communication from the Topographical Engineer. [John H. Alexander.] 8vo., 4 pp. n. d. [1838.]

Report of the Treasurer of the Western Shore to the House of Dele-

- gates respecting the Expenses incurred in making the Geographical and Geological Survey of the State. n. d. 8vo., 3pp. [1838.]
- Annual Report of the Geologist of Maryland, 1837. n. d. 8vo., 39, 1 pp. and 2 maps. [J. T. Ducatel.]
- Md. Sess. Dec., 1838. Report of the Treasurer of the Western Shore to the House of Delegates of Maryland. In obedience to their order of the 28th ultimo, stating the Expenses incurred in making the Geographical and Geological Surveys of the State. n. d. 8vo., 2 pp. [1839.]
- Document L. Mr. Wharton. Report of the Select Committee appointed by the House of Delegates to Report a Bill to Abolish the Office of State Geologist. n. d. 8vo., 3 pp. [1839.]
- Annual Report of the Geologist of Maryland, 1838. n. d. 8vo., 33, 1 pp. and 4 plates. [J. T. Ducatel.]
- Md. Sess. Dec., 1839. Annual Report of the Geologist of Maryland, 1839. n. d. 8vo., 45, 1 pp. and 2 maps. [J. T. Ducatel.] [1840.]
- Md. Sess. Dec., 1840. Trigonometrical Survey for the New Map of Maryland, 1841. n. d. 8vo., 8 pp. [Dated Feb. 2d, 1841. J. H. Alexander.]
- Md. Sess. Dec., 1840. Trigonometrical Survey for the New Map of Maryland, 1841. n. d. 8vo., 4 pp. [Dated Feb. 19th, 1841. J. H. Alexander.]
- Md. Sess. Dec., 1840. Annual Report of the Geologist of Maryland, 1840. n. d. 8vo., 43 pp. and 3 plates. [J. T. Ducatel.]
- [Another edition. 8vo., 59 pp. and 3 plates.]
- [Another edition. 8vo., 46 pp. and 3 plates.]
- Md. Sess. Dec., 1841. Report of the Topographical Engineer to the Governor of Maryland. n. d. 8vo., 5 pp. [J. H. Alexander, 1842.]
- Md. Sess. Dec., 1843. Report of the Committee on Agriculture relative to the Application of Lime to the different Qualities of Soil and the use of calcareous Matter for agricultural Purposes. In obedience to an order of the House of 27th of January. Annapolis, 1844. 8vo., 15 pp.
- Md. Sess. Dec., 1846. Document T. Order of the House. Report of the Committee on Agriculture in Relation to the appointment of an agricultural Chemist. n. d. 8vo., 8 pp.
- Md. Sess. Dec., 1849. Report of the Committee on Agriculture in Pursuance of the Order of the Senate of 20th February. n. d. 8vo., 7 pp.

the Geographical
3pp. [1838.]

n. d. 8vo., 39,

of the Western
In obedience to
enses incurred in
eys of the State.

elect Committee
a Bill to Abolish
[1839.]

338. n. d. 8vo.,

ologist of Mary-
[J. T. Ducatel.]

the New Map of
eb. 2d, 1841. J.

or the New Map
Feb. 19th, 1841.

ologist of Mary-
J. T. Ducatel.]

ical Engineer to
J. H. Alexander,

on Agriculture
erent Qualities of
ltural Purposes.
f January. An-

House. Report
the appointment

on Agriculture in
February. n. d.

Report of James Higgins, State Agricultural Chemist, to the House of Delegates of Maryland. n. d. [1850.] 8vo., 92 pp.

Md. Sess. Jan., 1852. The Second Report of James Higgins, State Agricultural Chemist, to the House of Delegates of Maryland. Annapolis, 1852. 8vo., 126 pp.

Md. Sess. Jan., 1853. The Third Report of James Higgins, State Agricultural Chemist, to the House of Delegates of Maryland. Baltimore, 1853. 8vo., 160 pp.

Md. Sess. Jan., 1854. The Fourth Annual Report of James Higgins, State Agricultural Chemist, to the House of Delegates of the State of Maryland. Baltimore, 1854. 8vo., 92 pp.

Md. Sess., Jan., 1856. Fifth Agricultural Report of James Higgins, State Chemist, to the House of Delegates of the State of Maryland. Annapolis, 1856. 8vo., 91, 1 pp.

[Another edition, pp. 15-18 omitted. 8vo., 90, 1 pp.]

Md. Sess. Jan., 1858. J. Higgins. State Chemist's Report. n. d. [1858.] 8vo., 96, xxii pp.

[Another edition of above has title: Sixth Agricultural Report of James Higgins, State Chemist to the House of Delegates of the State of Maryland. Order of House and Senate. Annapolis, 1858. 8vo., 96, xxii pp.]

First Report of Philip T. Tyson, State Agricultural Chemist, to the House of Delegates of Maryland, Jan., 1860. Annapolis, 1860. 8vo, xi, 145, 20 pp. and 2 maps.

Report of the State Chemist. n. d. [1860.] 8vo., 4 pp.

Second Report of Philip T. Tyson, State Agricultural Chemist, to the House of Delegates of Maryland, Jan., 1862. Annapolis, 1862. 8vo., 92 pp.

Report of the Select Committee appointed to prepare a Statement in Relation to the Resources of Maryland. Annapolis, 1865. 8vo., 52 pp.

Md. Sess. Jan., 1866. Report of William R. Cole, Esq., Chief Clerk of House of Delegates, in Relation to the Distribution of the Report of the Select Committee on the Resources of Maryland. Annapolis, 1866. 8vo., 16 pp.

Report of Select Committee on the Resources of the State. Annapolis, 1866. 8vo., 2 pp.

Md., Jan. Sess. 1867. A succinct Exposition of the Industrial Resources and Agricultural Advantages of the State of Maryland. By James Higgins, late State Agricultural Chemist. n. d. [1867.] 8vo., 109, iii pp.

MICHIGAN.

* XXVIIIth Congress, 2d Session. Senate Ex. Doc., No. 117. Report of the Secretary of War communicating Information of Facilities of Approach to, and Intercourse with, the mineral Region of Lake Superior. Washington, 1845. 8vo., 9 pp. [G. N. Sanders.]

In place of Report in Supplement I read: XXIXth Congress, Sp. Session. Senate Ex. Doc., No 175. Report of the Secretary of War communicating a Report of John Stockton, Superintendent of the Mineral Lands on Lake Superior. Washington, 1845. 8vo., 22 pp. and map. [John Stockton, J. B. Campbell, G. N. Sanders, and A. B. Gray.]

In Catalogue in place of A. B. Gray, etc., read: XXIXth Congress, 1st Session. II. of R. Doc., No. 211. Mineral Lands of Lake Superior. Letter from the Secretary of War relative to the Mineral Lands on Lake Superior. Washington, 1846. 8vo., 23 pp. and map. [A. B. Gray.]

XXIXth Congress, 1st Session. Senate Ex. Doc., No. 357. Report of the Secretary of the Treasury communicating, in Compliance with a Resolution of the Senate, Information relative to the Character and Condition of the Mineral Regions in the Lake Superior Country in the State of Michigan and Territory of Wisconsin. Washington, 1846. 8vo., 29 pp. [Bela Hubbard.]

XXXth Congress, 1st Session. Senate Ex. Doc., No. 2. Report from the Acting Secretary of the Treasury, communicating the Annual Report of the Commissioner of the General Land Office. Washington, 1847. 8vo., 230 pp. [Contains C. T. Jackson's Report of Progress of the Geological Survey of the Mineral Lands of the United States to Michigan in October 27th, 1847.]

XXXth Congress, 2nd Session. Senate Ex. Doc., No. 2. Report from the Secretary of the Treasury communicating the Annual Report of the Commissioner of the General Land Office. Washington, 1848. 8vo., 191 pp. [Contains Reports of C. T. Jackson, J. D. Whitney and J. W. Foster on the Mineral Lands of the United States in Michigan.]

XXXIst. Congress, 2nd Session. Senate Ex. Doc., No. 2. Report of the Secretary of the Interior, communicating a Report of the Commissioner of the General Land Office, exhibiting the Operations of that Branch of the Public Service during the last Year. Washington, 1851. 8vo. [Contains a Report on Lake Superior Mining Region, by J. W. Foster and J. D. Whitney.]

Doc., No. 117.
g Information of
the mineral Region
, 9 pp. [G. N.

XIXth Congress,
rt of the Secretary
ekton, Superinten-
Washington, 1845.
Campbell, G. N.

XIXth Congress,
al Lands of Lake
r relative to the
nton, 1846. 8vo.,

Doc., No. 357. Re-
cating, in Compli-
ion relative to the
ions in the Lake
Territory of Wis-
Bela Hubbard.]
p., No. 2. Report
communicating the
eneral Land Office.
s C. T. Jackson's
y of the Mineral
ober 27th, 1847.]
Doc., No. 2. Report
ating the Annual
nd Office. Wash-
rts of C. T. Jack-
Mineral Lands of
Doc., No. 2. Re-
cating a Report of
e, exhibiting the
ce during the last
Report on Lake
J. D. Whitney.]

*XXXIst. Congress, — Session. H. of R., Ex. Doc., No. 12.
1848-49. Washington, 1849. 8vo. [Contains Report of Pro-
gress of Survey of Mineral Lands by Charles T. Jackson, pp.
153-163; also additional Report of same, pp. 185-191.]

MINNESOTA.

In first title of Catalogue insert "Senate" before Ex. Doc.; also
add "and map."
The Geological and Natural History Survey of Minnesota. The
Eighth Annual Report for the Year 1879. St. Paul, 1881. 8vo.,
183, iv pp., map and plate. [N. H. Winchell.]

NEW JERSEY.

Geological Survey of New Jersey. Annual Report of the State
Geologist for the Year 1880. Trenton, 1880. 8vo., 220 pp., and
2 maps. [Geo. H. Cook.]

NEW YORK.

The Annual Report for 1838 has a 4to Atlas, containing 10 plates
of scenery, 2 plates of sections, 3 maps, and table of minerals. [The
last sometimes bound in with report.]
Vol. I of Zoology is sometimes bound so as to contain 4to., 188
pp., and 2 plates. [W. H. Seward.] And xiii, and 146 pp.,
and 33 plates.
*Vol. IX. Transactions New York State Agricultural Society.
Albany, 1850. Contains Survey of Washington County by Dr.
Fitch.
*Vol. XXII. Transactions New York State Agricultural Society.
Albany, 18—. Contains Survey of Orange County by G. Den-
niston.
State of New York. No. 53. In Assembly, January 30th, 1855.
Report of the Commissioners appointed to superintend the Com-
pletion of the Publication of the Natural History of New York.
8vo., 24 pp.
State of New York. No. 211. In Assembly, April 8th, 1856.
Report of the Select Committee on the Completion of the Natu-
ral History of the State. 8vo., 16 pp.
State of New York. No. 79. In Assembly, March 5th, 1879.
Report of the Committee on Public Education relative to the
Geological Survey and Natural History of the State. 8vo., 16
pp.

NORTH CAROLINA AND GEORGIA.

XXIst Congress. Second Session. H. of R. Rept. No. 82.
Assay Offices. Gold Districts of North Carolina and Georgia
Washington, 1831. 8vo., 29 pp.

NORTH CAROLINA.

*The Minerals and Mineral Resources of North Carolina: being
Chapter I. of the Second Volume of the Geology of North Caro-
lina. Raleigh, 1881. 8vo., 122 pp.

PENNSYLVANIA.

Second Geological Survey of Pennsylvania: Report of Progress in
1877. CCC. The Geology of Lancaster County; by Persifor
Frazer, Jr. Harrisburg, 1880. 8vo., x and 350 pp., 10 plates, and
atlas of 13 maps and sections.

Second Geological Survey of Pennsylvania: Report of Progress,
GG. The Geology of Lycoming and Sullivan Counties. 1, Field
Notes by Andrew Sherwood; 2, Coal Basins by Franklin
Platt. Harrisburg, 1880. 8vo., ix and 268 pp., and 4 maps.

Second Geological Survey of Pennsylvania: Report of Progress in
1876-79. GGG. The Geology of Potter County by Andrew
Sherwood. Report on the Coal-fields by Franklin Platt. Har-
risburg, 1880. 8vo., xvi and 121 pp., 2 maps, and plate of sec-
tions.

Second Geological Survey of Pennsylvania: Report of Progress,
G₄. Part I., The Geology of Clinton County. Part II., A Spe-
cial Study of the Carboniferous and Devonian Strata along the
West Branch of the Susquehanna River, by H. Martyn Chance.
Included in this Report are a Description of the Renovo Coal-
basin by C. A. Ashburner; Notes on the Tangascootack Coal-
basin, in Centre and Clinton counties by Franklin Platt. Har-
risburg, 1880. 8vo., xiv and 183 pp., and 3 maps.

Second Geological Survey of Pennsylvania, 1879. Report of Prog-
ress in Armstrong County; by W. G. Platt. Harrisburg, 1880.
8vo., lxvii and 338 pp., and map.

Second Geological Survey of Pennsylvania, 1875 to 1879. The Geol-
ogy of the Oil Regions of Warren, Venango, Clarion, and But-
ler counties, including Surveys of the Garland and Panama Con-
glomerates in Warren and Crawford, and in Chatauqua Co.,
N. Y. Description of the Oil-well Rig and Tools, and a Dis-

A.

Rept. No. 82.
lina and Georgia

Carolina: being
y of North Caro-

ort of Progress in
nty; by Persifor
pp., 10 plates, and

port of Progress,
Counties. 1, Field
ins by Franklin
pp., and 4 maps.

ort of Progress in
ounty by Andrew
klin Platt. Har-
and plate of sec-

port of Progress,
Part II., A Spe-
Strata along the
Martyn Chance.
the Renovo Coal-
ngaseootack Coal-
klin Platt. Har-
maps.

Report of Prog-
Harrisburg, 1880.

1879. The Geol-
Clarion, and But-
and Panama Con-
Chataqua Co.,
Fools, and a Dis-

cussion of the Pre-glacial and Post-glacial Drainage of the Lake Erie Country; by John F. Carll. Harrisburg, 1880. 8vo., xxiv and 482 pp., 2 plates, and atlas of 22 maps and plates.

Second Geological Survey of Pennsylvania, 1878-80. Catalogue of the Geological Museum by Charles E. Hall. Part II. 1, Collections of Rock Specimens. 2, Palaeontological Specimens. Harrisburg, 1880. 8vo., viii and 272 pp.

Second Geological Survey of Pennsylvania. Report of Progress, P. Description of the Coal Flora of the Carboniferous Formation of Pennsylvania, and throughout the United States. Vol. I. 1, Cellular Cryptogamous Plants (Fungi, Thalassophytes). 2, Vascular Cryptogamous Plants (Calamariæ, Filicacæ). Vol. II. 1, Lycopodiaceæ; 2, Sigillariæ; 3, Gymnosperms. By Leo Lesquereux. Harrisburg, 1880. 8vo., xv, 354, v, 355-694, lxviii pp., and 3 plates.

Second Geological Survey of Pennsylvania: Report of Progress R. The Geology of McKean County and its Connection with that of Cameron, Elk, and Forrest; by Charles A. Ashburner. Harrisburg, 1880. 8vo., xii and 371 pp., 8 plates and table, and atlas of 8 maps and sections.

Second Geological Survey of Pennsylvania: Report of Progress in 1879. VV. The Geology of Clarion County; by H. Martyn Chance. Harrisburg, 1880. 8vo., xv. and 232 pp., 4 plates and 3 maps.

Second Geological Survey. Report of the Board of Commissioners. January, 1881. —, 1881. 8vo., 5 pp. and maps.

Second Geological Survey of Pennsylvania: Report of Progress, 1879. QQQQ. The Geology of Erie and Crawford counties; by I. C. White. Discovery of the Pre-glacial Outlet of Lake Erie; by J. W. Spencer. Harrisburg, 1881. 8vo., xxi and 406 pp., and 4 maps.

Second Geological Survey of Pennsylvania: Report of Progress, T. The Geology of Blair County; by Franklin Platt. Harrisburg, 1881. 8vo., 311 pp., and atlas of 17 sheets.

ROCKY MOUNTAIN REGION.

In Supplement I strike out "Erase XXXIVth Congress. H. of R. Doc., No. 129. Washington, 1855. 43 pp."

In same, Cross's Report of Expedition from Fort Leavenworth to Fort Vancouver, is said to contain 36 plates. It is doubtful if they were ever printed.

In same, strike out, Thaddeus A. Culbertson's Journal, as it is not an official government report.

Vol. III. of Powell's Contributions to North American Ethnology contains 43 plates.

Abert's Report of New Mexico, 1848, 132 pp. Was also published as XXXth Congress, 1st Session. Senate Ex. Doc., No. 23.

XXXIst Congress, 2d Session. Senate Ex. Doc., No. 19. Report of the Secretary of War communicating, in answer to a Resolution of the Senate, the Report of Lieut. Whipple's Expedition from San Diego to the Colorado. Washington, 1851. 8vo., 28 pp.

XXXIVth Congress, 1st and 2d Sessions. Senate Ex. Doc., No. 1, Pt. 2. Contains pp. 90-98, Report of Capt. A. A. Humphreys, U. S. A., upon the Progress of the Pacific Railroad Explorations and Surveys. Washington, 1855. 8vo.

*XXXVth Congress, 1st Session. H. of R. Ex. Doc., No. 124. Wagon Road from Fort Defiance to the Colorado River. Letter from the Secretary of War transmitting the Report of the Superintendent of the Wagon-road from Fort Defiance to the Colorado River. Washington, 1858. 8vo., 87 pp., and map. [Ed. F. Beale.]

XXXVIth Congress, 1st Session. Senate Ex. Doc., No. 2, contains pp. 540-548. Report of Capt. A. A. Humphreys, in charge of office of Explorations and Surveys to Nov., 1859. Washington, 1859. 8vo. [Contains a Report of Capt. John Pope's on Artesian Wells.]

XLIId Congress, 2d Session. Senate Ex. Doc., No. 66. Letter from the Secretary of War accompanying an Engineer Report of a Reconnoissance of the Yellowstone River in 1871. Washington, 1872. 8vo., 43 pp. and map. [Captains Barlow and Heap.]

The Annual Report of the Chief of Engineers to the Secretary of War for the Year 1872. Washington, 1872. 8vo. Contains pp. 1108-1118, Report of Capt. W. A. Jones of a Survey and Exploration in the Uintah Mountains, Utah.

Also, pp. 1126-1172, Report of the Sutro Tunnel Commission.

Preliminary Report of the Fieldwork of the United States Geological and Geographical Survey of the Territories, under the Direction of Prof. F. V. Hayden for the Season of 1877. Washington, 1877. 8vo., 35 pp.

Report on the Geographical and Geological Survey of the Rocky Mountain Region by J. W. Powell. Washington, 1877. 8vo., 17 pp.

Journal, as it is not

American Ethnology

has also published
Doc., No. 23.

, No. 19. Report
er to a Resolution
Expedition from
8vo., 28 pp.

Ex. Doc., No. 1,
A. Humphreys,
oad Explorations

Doc., No. 124.
o River. Letter
ort of the Super-
e to the Colorado
map. [Ed. F.

, No. 2, contains
eys, in charge of
9. Washington,
ope's on Artesian

No. 66. Letter
ineer Report of
1. Washington,
y and Heap.]

the Secretary of
o. Contains pp.
Survey and Ex-

Commission.

States Geological
the Direction of
ashington, 1877.

y of the Rocky
on, 1877. 8vo.,

Report of the Chief of Engineers to the Secretary of War for the
Year 1868, contains Gen. Warren's Report on the Survey of the
Mississippi and Missouri Rivers.

Report of the Committee appointed under the Provisions of the Act
of Congress of March 3d, 1877, regaling the Hot Springs Reser-
vation in the State of Arkansas. Washington, 1877. 8vo., 12 pp.

Annual Report upon the Geographic Surveys, West of the 100th
Meridian; by Capt. Geo. M. Wheeler, U. S. A.; being Appendix
OO of the Annual Report of the Chief of Engineers for 1879.
Washington, 1879. 8vo., 36 pp. and 5 maps.

Report of the Chief of Engineers to the Secretary of War for the
Year 1879. Contains pp. 233-343, Appendix RR., Chemical
Report on the Pagosa Spring of Colorado by Charles Smart,
Asst. Surgeon, U. S. A.

Department of the Interior. Report of the Fieldwork after U. S.
Geological and Geographic Survey of the Territories for the
Season of 1878. Washington, 1878. 8vo., 29 pp. [F. V. Hayden.]

Eleventh Annual Report of United States Geological and Geo-
graphical Survey of the Territories, embracing Idaho and Wyo-
ming; being a Report of Progress of the Explorations for the
year 1877; by F. V. Hayden, U. S. Geologist. Washington,
1879. 8vo., xxviii and pp., and — plates.

Department of the Interior. Report of the U. S. Geological Survey
of the Territories. F. V. Hayden, U. S. Geologist-in-charge. Vol.
XII. Fresh-water ponds of North America; by Joseph
Leidy. Washington, 1878. 4to., xi and 324 pp., and 48 plates.

Department of the Interior. U. S. Geographical and Geological
Survey of the Rocky Mountain Region. J. W. Powell, in-charge.
Report on the Geology of the High Plateau of Utah, by Capt.
C. E. Dutton, U. S. A. Washington, 1880. 4to., xxxii and 307
pp., and atlas of plates.

United States Geological Survey. Exploration of the Fortieth Parallel.
Clarence King, Geologist-in-charge. Vol. VI. Odontornithes: a
Monograph on extinct toothed Birds of North America; by
Othniel Charles Marsh. Washington, 1880. 4to., xv. and 201
pp., and 34 plates.

TEXAS.

XXXIst Congress. Senate Ex. Doc., No. 32. Report
of the Secretary of War communicating a Map showing the Oper-
ations of the United States in Texas and the adja-
cent Mexican States on the Rio Grande; accompanied by astro-

nomical Observations and Descriptions, and military Memoirs of the Country. Washington, 1850. 8vo., 67 pp., 8 plates, and maps. [Maj. Geo. H. Hughes, U.S.A.]

UNITED STATES GEOLOGICAL SURVEY.

First Annual Report of the United States Geological Survey to the Hon. Carl Schurz, Secretary of the Interior; by Clarence King, Director. Washington, 1880. Large 8vo., 79 pp., and map. XLVth Congress, 2d Session. Senate Mis. Doc., No. 48. Letter from the Director of the United States Geological Survey, transmitting, in response to a letter of the Hon. Henry G. Davis, Answers to certain inquiries propounded in the said Letter. Washington, 1880. 8vo., 3.

VIRGINIA.

Report of the Progress of the Geological Survey of the State of Virginia for the Year 1841; by William B. Rogers. Richmond, 1842. 8vo., 12 pp.

*A Handbook of Virginia; by Commissioner of Agriculture. Richmond, 1879. [Thomas P. D.]

WEST VIRGINIA.

Catalogue of the West Virginia State Exhibit, at the International Exhibition at Philadelphia, in 1876, by M. F. Maury. Philadelphia, 1876. 8vo., 38 pp.

*The West Virginia Handbook andigrants Guide. A Sketch of the State of West Virginia. Geological Position, Historical Outline, State Constitution, Surface, Soil, Agriculture, Stock-farming, Wool-growing, Fruit and growing, Timber, Coal, Iron, Petroleum, Salt, and other Minerals. Education, Religious Worship, Lands and Farms, Titles, &c., with a brief Notice of each County, and an official Directory and Map by J. H. Diss DeBar, State Commissioner of Immigration. Parkersburg, 1870. 12mo., 193 pp., and a

WISCONSIN AND IOWA.

XXXth Congress, 1st Session. Senate Executive No. 2. Report from the Acting Secretary of the Treasury, communicating the Annual Report of the Commissioner of the General Land Office. Washington, 1847. 8vo., 230 pp. Contains D. Owens's Preliminary Report, containing Outlines of the progress of the Geological Survey of Wisconsin and Iowa, up to the 11th, 1847.

REPORTS, ETC.

and military Memoirs of
37 pp., 8 plates, and 2

SURVEY.

Geological Survey to the
or; by Clarence King,
e., 79 pp., and map.

Doc., No. 48. Letter
ological Survey, trans-
ion. Henry G. Davis,
l in the said Letter.

ey of the State of Vir-
Rogers. Richmond,

sioner of Agriculture.

it, at the International
M. F. Maury. Phila-

ants Guide. A Sketch
al Position, Historical
il, Agriculture, Stock-
rowing, Timber, Coal,

Education, Religious
ices, with a brief No-

Directory and Map;
Immigration. Park-

to

te E
Freas, No. 2. Report

communicating the
of the Land Office.

Conte, Owens's Pre-
s of the Geo-

wa, up
er 11th, 1847.